



परिप्रेक्ष्य शैक्षिक योजना २०१७-१८

PERSPECTIVE ACADEMIC PLANNING 2017-18



नवोदय विद्यालय समिति

NAVODAYA VIDYALAYA SAMITI

मानव संसाधन विकास मंत्रालय का एक स्वायत्त संस्थान (स्कूल शिक्षा एवं साक्षरता विभाग)

An Autonomous organization Under Ministry of HRD, Department of School Education & Literacy

भारत सरकार Government of India

PERSPECTIVE ACADEMIC PLANNING-2017-18

1. BRAND EQUITY:

The uniqueness of Navodaya Vidyalayas has assured that they have been enjoying this strong brand equity over a period of time due to the consistent and top performance in CBSE. Navodaya Vidyalayas are well recognized as focal points of learning and all round development. The currency of the Navodaya Brand, derived from the academic performance, and success of the Alumni, has ensured that NAVODAYAS are one of the foremost and successful institutions in the country. The shortcoming faced by many Govt. Institutions, that they are almost unheard of, is no longer relevant in the context of Navodayas. Brand equity is nothing but the association made by people when they hear the name 'Navodaya' or 'JNV'. Today the Navodaya Brand enjoys an unprecedented level of acknowledgement from the society in the field of Secondary and Higher Secondary Education. The teachers and students associated with the Navodaya Brand have been successful in creating significant and noticeable changes in the quality of human lives in the Indian Society. Thus the Navodaya Brand has become synonymous with exemplary education and all round development. However, to ensure continued brand equity, we need to move with the times and keep our skills updated with the modern innovations and latest developments in the field of imparting modern quality education.

The Vision of the Navodaya Vidyalaya Samiti Headquarters, coupled with the efforts of the Officers, Principals, Vice-Principals, Teachers and non-teaching staff has assumed proportions of a healthy coalition, thus enabling Navodayas to continually churn out young and aspirant citizens possessing not just the requisite knowledge to succeed in various spheres, but also to develop a responsible, compassionate, dedicated and devoted attitude towards the society. Navodaya citizens definitely will be the ones most suited to lead the country in future since they are mentally alert, physically fit, psychologically balanced, emotionally mature and spiritually sound. They will be multi tasking, creative, innovative and eco friendly which are the most desirable attributes for the 'Knowledge Society' into which the world is marching. NVS headquarters is also on the move to establish Centres of Excellence for Science and Sports, which would be another jewel in the Crown of NVS.

Steps to establish/Sustain Brand Equity:

1. Performance speaks – JNV must be much better than the rest in all areas.
2. Uphold values – Inculcate values through value embedded education.
3. Develop a tradition of excellence in all areas.
4. The top brands always are the best –be the best in your field
5. Pursue high ideals and standards
6. Team work and smart work always lead to better productivity.
7. Everyone with similar taste would try to emulate, thus be a pace setter.
8. Reaching the top is easier than staying there. Continue efforts with zeal and vigour to stay at the top.
9. Consistent improvement and innovation at every step. In other words, aspire for the best all the time
10. Striving for common identity and empowering Navodayans to be lifelong learners and productive members of ever changing global society.

2. INSTITUTIONAL PLANNING:

Institutional planning is a complex idea, is to be worked out scientifically. It is a cooperative affair, undertaken by all the staff members of the school, who realize their full responsibilities and duties. Its success depends on the attitude, training, a will to face realities and a cooperative spirit among the planners at each level of educational hierarchy. The plans should be drawn in such a way that the development is maximum and the chance of returns to the investment made are the greatest within the resources available. Institutional planning is an organized way of doing things in an institution. It leads to the attainment of objectives through intelligent utilization of the resources of the institution.

MAJOR AREAS (SCOPE) OF INSTITUTIONAL PLANNING

As the Institutional plan seeks improvement in all directions it must touch varied aspects of the organization of schools. It must take the shape of an over-all scheme for the improvement of the school in respect of following:

1. IMPROVEMENT OF THE SCHOOL CAMPUS

- (i) Provision of facilities to the pupils like the supply of drinking water, sanitary facilities, meals, medical facilities etc.
- (ii) Collection of library books, Magazines, journals, Instructional materials and audiovisual aids for the school.
- (iii) Construction, maintenance and repair of school building.

2. IMPROVEMENT OF ACADEMIC FACILITIES

- (i) Division of the curriculum in each subject into monthly and weekly units and sub units.
- (ii) Organization of remedial teaching for slow-learners.
- (iii) Organization of extension lectures, conferences, etc. in the institution.
- (iv) Support of teacher-improvement programmes like in-service training, refresher courses, and orientation courses etc. for teachers.

3. IMPROVEMENT OF CO-CURRICULAR ACTIVITIES

- (i) Organization of physical activities in the school.
- (ii) Organization of literary activities like preparation of bulletin boards, wall magazine, improved teaching aids and equipments.
- (iii) Organization of social service projects.

4. SCHOOL IMPROVEMENT PROJECTS

- (i) Organization of S.U.P.W Activities
- (ii) Maintenance of and love for ecological equilibrium.

5. INVESTIGATION AND RESEARCH

- (i) Action Research and Evaluation

3. SCHOOL ASSEMBLY:

Morning Assembly is the time when the entire school community assembles at an appropriate place to affirm the school's identity and aspirations. The school assembly is the best forum to inspire and motivate students. It serves as a platform to develop self confidence, acquiring knowledge and information, creativity and aesthetic sense among students. We must ensure that monotony does not set in.

It is mandatory on the part of the Principals, Vice Principals, all the teachers and students to attend the morning assembly on time. HMs/AHMs are to ensure the participation of all their house students in the morning assembly activities by turn.

The Vidyalaya prayer should be recited with dedication and emotion. Music teacher should ensure proper pronunciation, rhythm and melody in prayer and community song. Other activities are to be properly worded and modulated with variety. As far as possible the content of the speech to be day's specific and edited properly. MOD should invariably address the morning assembly. It is to be conducted in all the three languages by turn. The P.E.Ts, Music Teacher and Duty Master will ensure that all activities are performed within the time limit and students leave the assembly to their respective classrooms in an orderly manner. The school band may be used at the time of conduct of the prayer and during the dispersal of the students.

ASSEMBLY ACTIVITIES

Sl. No.	ACTIVITIES	TIME IN MINUTES
1	Roll call House wise/Class Wise	2
2	Navodaya Prayer	3
3	Meditation	1
4	Pledge	1
5	Thought for the Day	1
6	News Reading (International, National, Regional, Local & Sports News to be incorporated)	3
7	Students Talk/Vocabulary Enrichment/Quiz/Book Review/Recitation/Conversation	3
8	Community Song	3
9	Address by the MOD/Principal	2
10	National Anthem	1
	TOTAL DURATION	20

Note: *All the members concerned have to ensure that there is effectiveness in planning, preparation and presentation of assembly activities to achieve its intended and specified goals.*

4. SCHOOL CALENDAR:

School calendar plans for more productive students and therefore greater learning. Such a schedule sets the stage for teachers to communicate to students exactly what is expected of them and allows the teacher to identify behaviors that must be directly taught to one or more students, which, in turn, help them to develop greater student autonomy, responsibility, and self-control. ***In this connection, the School calendar is the most important document and hence the Vidyalayas have to prepare an effective working calendar for the year 2017-18, well before the beginning of the academic session by incorporating the areas such as Scholastic, Co-Scholastic, along with important days / functions / activities etc.***

5. VIDYALAYA TIME TABLE AND ALLOTMENT OF PERIODS:

The following points are to be taken care while preparing the time table :

1. The services of Art Teacher, SUPW Teacher, Music Teacher, Librarian, and teachers of Language-III are to be taken for running supervised study periods in the afternoon.
2. The concerned subject teachers only are to be put on duty for remedial teaching.

3. All staff members including PETs will be put on duty during supervised study as per the requirement on rotation basis. The daily routine details of total no. of periods to be given to the teachers & no. of periods to be allotted to each subject/ class wise is given as under:

**SUBJECT WISE CLASS WISE ALLOTMENT OF PERIODS:
(40 MINUTES DURATION)**

Class VI TO VII	Periods	Class VIII	Periods	Class IX	Periods	Class X	Periods	Class XI&XII	Periods
ENG.	8	ENG.	8	English	7	English	8	English	7
HINDI.	8	HINDI.	8	Hindi/ R.L.	6	R.L./ Hindi	6	Hindi/Maths/I.P./C.S.	7
MATHS	5+1*	MATHS	5+1*	Maths	7	Maths	8	Elective-1	9
SCIENCE	5+1*	SCIENCE	5+1*	Science	9	Science	9	Elective-2	9
SOCIAL	5	SOCIAL	5	Social	8	Social	9	Elective-3	9
LIBRARY	2	LIBRARY	2	Library	2	Library	2	Phy.Edn.	1
COMPUTER	2	COMPUTER	2	Phy.Edn./ AEP	1	Phy.Edn./ AEP	1	G.S./G.F.C/ AEP (XI ONLY)	1
ART	2	ART	2	Computer	2	Computer	2	Computer	2
SUPW	1	SUPW	1	Art	1	Art	1	Library	2
				Music	1	Music	1		
MUSIC	2	MUSIC	1	Supw	1	Supw	1	Work Exp.	1
PHE	1	PHE	1	3 rd Lang	3				
3 RD /R.L LANG.	5	3 RD /R.L LANG.	5						
		AEP	1						

* This period should be allotted for laboratory activities only

Note:

- Maximum of 36 periods per week may be allotted to each teacher depending upon the availability of teachers in the concerned subjects. **TGT (MATHS) will also handle CLASS VIII PHYSICS portion.**
- In respect of classes XI & XII, two periods per week are earmarked for practicals in the concerned subjects like Physics, Chemistry etc.
- For classes, IX and X, the practicals/other lab activities are to be conducted on regular basis as per the given weightage in the subjects like Science and Mathematics.
- For classes VI to VIII, at least one period per week should be earmarked for lab activities in Mathematics and Science.
- Each JNV will allot at least one period per week per class in school time table or in daily routine programme for the conduct of Gender Sensitization Sessions. If, SUPW post is lying vacant, this period can be allotted to Gender sensitization. If not, one of the periods of creative subjects may be allotted. AEP Trained teachers will handle the gender sensitization classes.

6. REMEDIAL TEACHING:

Remedial teaching period is the time during which the identified low achievers in a particular subject will be looked after by the teachers for corrective instructions so that they can also achieve the mastery level in the subject. Low Achievers are those students who are unable to cope up with the work normally expected of their age groups. It is due to their limited cognitive capacity, poor memory, distraction and lack of concentration, inability to express ideas and also lack of motivation.

At the beginning of the academic year the teacher should identify the students whose performance is poor and their individual difficulties should be noted. ***Proper diagnostic measures should be taken to identify the learning difficulties with causes before implementing any remedial measure.*** Remedial instruction should be arranged in a systematic manner according to the nature of the pupils' difficulties. Special steps must be taken to improve their knowledge level and drill / practice is necessary for every student.

The instructional content must be very carefully graded keeping in mind the capacity, requirement, educational and experience levels of the students. In the gradation of teaching materials, the principles of proceeding from easy to difficult and simple to complex must be scrupulously followed. Remedial work should be given in small doses and it should be so organized as to give a sense of achievement to the student. The remedial programme for low achievers includes motivation, individual attention, restoration and development of self confidence and special methods of teaching. The teacher should adopt a friendly, helpful and sympathetic attitude towards the student and always try to win their confidence.

REMEDIAL / SUPERVISION IN THE AFTERNOON

The following is the framework of remedial and supervisory study schedule in JNVs having up to class-XII. It is decided to have remedial classes only for needy students by allotting duties to the concerned subject teachers in the afternoon. Each class will have remedial for one subject per day. Overall 07 teachers will be engaged for seven classes (VI to XII), provided only one stream is available at the senior secondary level in the JNV. If two streams are available, additional duties have to be allotted accordingly. For non-remedial students, duties may be allotted as given below for supervision. Further the remedial teaching and afternoon supervision should go simultaneously in an effective manner as per the following schedule:

REMEDIAL / NON-REMEDIAL SCHEDULE

	No of teachers for remedial duty per day	No of teachers for Supervised study duty per day
VI	01	01
VII	01	
VIII	01	
IX	01	01
X	01	01
XI	01	-
XII	01	-

EVENING SUPERVISED STUDY

Duties are to be allotted to teachers for evening supervised study by involving all the teachers. Creative teachers are also to be involved for supervision both for non-remedial afternoon supervision and evening supervision as well. It should be ensured that every teacher gets almost the same work load by combining afternoon and evening duties.

7. EFFECTIVE CLASS ROOM MANAGEMENT:

Teachers will promote discipline in their class through effective class room management. The quality of their teaching through well planned activities that suit the learning needs of the students will sustain student's attention and capture their interest, thus minimizing opportunities for misconduct.

Effective Classroom Management Brings Positive Results into Class. Of all the variables, classroom management has the largest effect on student achievement. Both students and teachers benefit from a well-organized class. Teachers see that their **smart work** produce gains in relationships as well as in knowledge. ***A classroom that is managed well through good preparation, motivation, and effective presentation and evaluation, yields excellent results in terms of achieving learning objectives.*** The following suggestive tips would help the JNV teachers to achieve effective class room management:

1. Teacher should be the first persons to enter the class and the last person to leave.
2. Setting clear learning goals and designing lessons in order to meet the needs of as many different learning styles as possible will help the teacher to engage all students of the class, not just the auditory or visual learners. Having lesson plans that are strategically designed in order to teach effectively does take more time to prepare, but the benefits experienced in the classroom is well worth the effort.
3. The 40 minutes duration of a period may be split into three parts respectively for recapitulation, presentation and interaction. Lecturing for the entire class period will make students to get bored and boredom produces distraction. Incorporating various activities in the class room will help to keep students engaged, interested, and it will also help to sustain the motivation levels. Emphasis should be on child centric learning.
4. Even the best teachers need to discipline students. If a disruption arise involving disrespectful or noisy students. The teacher should not let their temper rise as it will serve to encourage the negative behavior. Just reaching and standing by the side of the problematic student, instantly serves to stop the misbehavior. If it needs more drastic attention, the students may be called separately and discussion held with them about the reasons behind their action. This helps to prevent the involvement of the administration in most instances.
5. The most effective classroom management tool comes simply through being a caring teacher. If students know that the teacher cares about them, they not only complete the assigned work in time but will be more likely to give their best behavior. Interaction with the students about their area of interest and motivation & guidance towards strengthening them will improve the Teacher-Student relationship. Recognizing that they have a life outside the class, i.e., at JNV Campus, and exhibiting teacher's care about that life will bring positive results into the classroom also. Students behave well with teachers whom they like and perform better in their subjects.
6. Provide a safe and comfortable environment that is conducive to learning
7. Help each child grow to his or her fullest potential.
8. Provide meaningful and appropriate homework activities
9. Demonstrate professional behavior and a positive attitude
10. Use special activities and ICT in the classroom to make learning enjoyable and stress free.
11. Use Equitable and Positive Classroom Behaviours such as Establishing eye contact, Moving around the class and increasing proximity to restless students, Sending a silent signal, Giving a

quiet reminder, Re-directing student's attention, Beginning a new activity, Offering a choice, Using humour, Waiting quietly until everyone completes the task, asking a directed question, providing appropriate time for all students to respond to questions, recognizing and appreciating the students for their responses, avoiding discouragement, creating an atmosphere wherein the students are motivated to pose questions, attributing the ownership of ideas to the students who initiated them, allowing and encouraging all students to participate in class discussions and interactions, making sure to call on students who do not commonly participate, not just those who respond most frequently, providing positive reinforcement and feedback, etc.

12. Use an appropriate tone of voice, speak clearly and deliberately in an adequate pitch.
 13. Teacher-student relationships should not be left to chance or dictated by the personalities of those involved. Instead, by using appropriate strategies, teachers can influence the dynamics of their classrooms and build strong teacher-student relationships that will support student learning.
- Above all, teachers should be role models to students in their attitude, performance and dress code.

8. COVERAGE OF SYLLABUS & CONDUCT OF VARIOUS EXAMINATIONS:

1. For Class-XII, 100% syllabus has to be completed by 30th Nov'2017
2. For XI Class, 100% syllabus has to be completed by 31st January 2018 and for other classes First Term syllabus should be completed by 4th September 2017 and Second Term by 15th February 2018
3. The schedule for U.T., Term -Test1/Revision test/PB-1/PB-II for Classes (XI & XII) and Periodic Written tests, Half-yearly / Yearly examinations for Classes VI-VIII & IX are enclosed with this manual.
4. Every JNV has to strictly follow the guidelines given by NVS, Hqrs & R.O. for conducting various tests.
5. Coverage of syllabus & conduct of various tests should be on the same dates in all JNVs.
6. The Vidyalaya has to send the result analysis of Periodic Written Tests/Unit Tests, Half-Yearly and Yearly Examination of Classes- VI, VII & VIII and Yearly Examination of Class IX and Term-I (XI & XII), Term-II (XI) and PB-I (Class X & XII) & PB-II (XII) to R.O. within 48 hours of completion of the examination.
7. An explanation from the teachers is to be obtained by the Principal wherever the subject average falls below the target fixed by the Hqrs. i.e. 75% for XI & XII & B₁ grade for VI to X.
8. The Practicals in Physics, Chemistry, Biology, Geography, Computer Science & Bio Technology etc. of Board Classes should be completed by the end of **November 2017** and record work should also be completed by **December 2017**. Further, Practicals in Science for classes IX & X should be conducted simultaneously with theory classes. All the activities/experiments in Science, Mathematics and Social Science of Classes VI to VIII are also to be carried out as per the guidelines given by CBSE/NCERT.
9. A complete record of various practicals conducted as per syllabus should be maintained at Vidyalaya Level.
10. Details of practicals to be conducted in different classes & subjects should be displayed in concerned lab along with list of practicals completed and the same needs to be maintained up to date.
11. There should be correlation between the marks allotted in internal examinations, practicals and marks obtained by the students in external examinations. A large deviation in the board results reveals the poor quality of evaluation at the Vidyalaya level.

9. ACADEMIC MONITORING AND SUPERVISION BY PRINCIPAL AND VICE – PRINCIPAL:

Name of the Area	Vice Principal	Principal
1. Teaching Periods	12	08
2. Classes to handle	Preferably one of the classes from IX to XII to be handled on regular basis	Preferably one of the classes from IX to XII to be handled on regular basis
3. Classroom Observation	One period per day covering all the teachers in the given month	One period per day covering all the teachers in the given month
4. Checking of Home Work, Class work , Assignments and Project Works	VI to X	XI and XII
5. Preparation of various activities	Academic Calendar, Time-Table, Institutional plan, Exam time table	Monitoring and guidance
6. Maintenance of records	Academic Records	Monitoring and guidance
7. Monitoring	All academic and CCA activities of all classes	All academic and CCA activities of all classes
8. Meetings to be conducted	Subject Committee meetings, Academic Performance Review committee meetings, tests and exams	Subject Committee meetings, Academic Performance Review committee meetings, tests and exams
9. Verification	Timely submission of Academic Records, Question papers and Results	Monitoring and guidance
10. Supervision	Remedial and Supervisory study	Remedial and Supervisory study
11. Time table and arrangements	In charge	To monitor
12. Ensuring Attendance	Students and staff	Students and staff
13. Conduct of practicals and maintaining records	To monitor	To monitor
14. Assembly Activities	Performance is to be monitored	Performance is to be monitored

Note: The above mentioned duties are to be performed by the Vice-Principals in addition to the duties mentioned in Letter No:F.No.1-15/98-NVS(Estt) Dated Dec.10,1998, F.No.5-4/2001/NVS(SA) Dated:Oct,19,2001, Letter No. F.7-42/2013-NVS (Pers.) Dated November 27, 2013, and other letters issued from time to time.

10. PANEL INSPECTION:

The supervision and monitoring of the Vidyalaya activity is of utmost importance for assessment, consolidation and further improvement of the Vidyalaya. The system of the panel inspection of every JNV is aimed to achieve the same.

The panel inspection team should consist of one Assistant Commissioner, two JNV Principals and one Educationist from local school/College, not below the rank of Principal or Lecturer. The schedule of panel inspection will be informed by the Asst. Commissioner, well in advance. A proforma

for reporting by the panel inspection team has already been provided to all JNVs. One to one meeting with the teachers by the panel members is to be ensured and to be taken in a positive spirit. The Principal and staff must complete all the preparations and update the records of various academic and administrative activities for inspection. The inspection team, besides suggesting for improvement in all the areas in their inspection report, should also bring the same to the notice of the staff during the concluding meeting.

Issues of Panel Inspections -

The following key standards of school performance are to be assessed during Panel Inspection:

1. Achievements of children in key subjects.
2. Learning skills of children – Personal and School Development.
3. Effectiveness of teaching-learning activities.
4. School Curriculum activities-The extent to which the teacher meets educational needs of children.
5. The extent and the manner in which the school protects and supports the children.
6. Effectiveness of Leadership and Governance.
7. Up-keeping of the school environment.
8. Record keeping.
9. Inter-personal relations

The following evidences are to be assessed while assessing the school performance :

- ✓ Analysis of performance of children
- ✓ Observation of learning process.
- ✓ Work of children.
- ✓ Information – from the staff, parents, alumni, district administration.
- ✓ Meeting parameters of cultural framework.
- ✓ Culture of innovation.
- ✓ Mechanism of student teacher interaction and collaboration.
- ✓ Cooperative environment, transparency, awareness of activities undertaken by JNV by all staff.

Minimum Expectations:

(a) **Complete description of the teachers of the school :**

- 1) Resourcefulness
 - 2) People and Relations.
 - 3) Process and sequences
 - 4) Procedures and Methodologies
 - 5) Records and Interpretations
 - 6) Performance and Analysis
- (b) Display of full scale observations.
- (c) Quality references
- (d) Correctional measures on the spot
- (e) **Strategies implemented for Improvement :**
- 1) Specific
 - 2) Action supported
 - 3) Measureable yardsticks
 - 4) Timescale for achievement
 - 5) Period of next review

Note: There is no change in the format of the Panel Inspection Report.

On receipt of the panel inspection report by the Principal, the compliance report on the points suggested by the panel inspection team, drawing immediate attention for adherence and execution must be forwarded to the Assistant Commissioner (Cluster I/c) within one week positively. There after cluster I/c AC should submit this report to Deputy Commissioner (R.O.) for onward recommendation and submission to NVS Hqrs. It is also added that Dy. Commissioner (RO) while sending the report with their recommendation, the following points may be borne in mind.

- a) The factual deviation observed in a particular area, need to be highlighted and supported with focus on guidance.
- b) In order to promote and sustain quality performance, there is a need to carry out evaluation of performance appraisal, critical analysis of achievements and supported by further inputs for quality performance.

The Panel Inspection of JNVs shall start from 15th July 2017 and to be completed latest by 31st December 2017. The schedule of the Panel Inspection for the concerned month is to be circulated to the JNVs at the beginning of the month itself. Every Cluster In-charge AC has to complete at-least 20% of the panel inspections out of the allotted JNVs in every month so that inspection of all JNVs shall be completed on or before 31.12.17. Review meetings are to be organised by Regional offices on monthly basis. Copy of the report is to be handed over to the concerned officials for further necessary action.

The Deputy Commissioner shall send a monthly report to NVS Hqrs. before 5th of every month in the following proforma.

Table for Month-wise Report by the RO to NVS

REPORT FOR THE MONTH OF _____				YEAR _____		
Sl. No.	Name of the AC	Name of Cluster	Total no. of JNVs Allotted (A)	No. of JNVs inspected in the reporting month (B)	Cumulative no. of JNVs inspected during 2016-17 (C)	No. of JNV yet to be inspected (A-C)

Panel inspection reports and month-wise report are to be forwarded to NVS(HQ) by email to nvspanelinspection@gmail.com & acacadnvs3@gmail.com. While forwarding the panel inspection reports, Deputy Commissioners have to comment on the issues mentioned in this report.

NOTE: FOR PANEL INSPECTION PROFORMAE REFER ANNEXURE-1

11. BENCH MARK FIXED FOR PASS PERCENTAGE AND SUBJECT AVERAGE:

Class X

As regard to class X, the students are to get a minimum of 85% Marks in each subject.

Class XII

The following pass percentages and subject averages for class XII Board Exam are fixed as target for the session 2017-18.

Pass percentage: **100%**

SUBJECT-WISE AVERAGE

Subject	Target Fixed for 2017-18 (%)
English Core	80
Hindi Core/Elective	85
Maths	80
Physics	80
Chemistry	80
Biology	80
Bio-Tech	80
Informatics Practices	85
Computer Science	85
History	80
Geography	85
Economics	75
Accountancy	75
Business Studies	75

Classes VI to IX: In respect of classes VI to IX, apart from ensuring 100% pass, the subject average is fixed as under:

- For languages: 85%
- For Maths, Science and Social Science - 80%

FOR CLASS XI: Pass Percentage - 100%

SUBJECT-WISE AVERAGE

Subject	Target Fixed for 2017-18 (%)
English Core	70
Hindi Core/Elective	70
Maths	75
Physics	75
Chemistry	75
Biology	80
Bio-Tech	80
Informatics Practices	75
Computer Science	80
History	70
Geography	70
Economics	65
Accountancy	70
Business Studies	65

12. UNIFORM SYSTEM OF ASSESSMENT, EXAMINATION FOR CLASSES VI to X:**Restoring of Class X Board Examination with effect from the Academic Year:2017-18.**

As per the CBSE circular No.-CBSE/CM/2017-Acad.05/2017 Dated 31.01.2017, the examination from Academic Year 2017-18 and onwards would be conducted as per the remodelled assessment structure explained below.

A. Remodeled assessment structure effective from the Academic Year 2017-18 for Class X:**1. Scholastic Area :**

Total 100 marks (Syllabus for assessment will be only Class X)				
Subjects	80 marks (Board Examination) Student has to secure 33% marks out of 80 marks in each subject	20 Marks (Internal Assessment) Student has to secure 33% marks out of overall 20 marks earmarked in each subject.		
		Periodic Test (10 marks)	Notebook Submission (5 Marks)	Subject Enrichment Activity (5 Marks)
Language 1	Board will conduct Class X Examination for 80 marks in each subject covering 100% syllabus of the subject of Class X only. Marks and Grades both will be awarded for individual subjects. 9-point grading will be same as followed by the Board in Class XII.	(i)	(ii)	(iii)
Language 2		Periodic Written Test, restricted to three in each subject in an Academic Year. Average of the best two tests to be taken for final marks submission.	This will cover : a) Regularity b) Assignment Completion c) Neatness and upkeep of notebooks	Speaking & Listening Skills
Science				Speaking & Listening Skills
Mathematics				Practical Lab Work.
Social Science				Maths Lab Practical
	Map Work and Project Work			
6 th Additional Subject	Scheme of studies for 6 th additional subject is detailed in Annexure-I of the CBSE letter referred above. In case a student opts for a language as 6 th additional subject, the modalities defined for Languages 1 and 2 shall be followed.			

(i) Periodic Test (10 marks) :

The school should conduct three periodic written tests in the entire academic year and the average of the best two will be taken. The schools have the autonomy to make its own schedule. However, for the purpose of gradient learning, three tests may be held as one being the mid-term test and other the two being pre mid-term and post mid-term with portion of syllabus cumulatively covered. The gradually increasing portion of contents would prepare students acquire confidence for appearing in the Board examination with 100% syllabus. The school will take the average of the best two attests for final marks submission.

(ii) Notebook Submission (5 marks) :

Notebook submission as a part of internal assessment is aimed at enhancing seriousness of students towards preparing notes for the topics being taught in the classroom as well as assignments. This also addresses the critical aspect of regularity, punctuality, neatness and notebook upkeep.

(iii) Subject Enrichment Activities (5 marks) :

These are subject specific application activities aimed at enrichment of the understanding and skill development. These activities are to be recorded internally by respective subject teachers.

For Languages: Activities conducted for subject enrichment in languages should aim at equipping the learner to develop effective speaking and listening skills.

For Mathematics: The listed laboratory activities and projects as given in the prescribed publication of CBSE/NCERT may be followed.

For Science: The listed practical works / activities may be carried out as prescribed by the CBSE in the curriculum.

For Social Science: Map and project work may be undertaken as prescribed by the CBSE in the curriculum.

(2) Co-Scholastic Activities:

Schools should promote co-curricular activities for the holistic development of the students. These activities will be graded on a 5-point grading scale (A to E) and will have no descriptive indicators. **No up scaling of grades will be done.**

Activity	To be graded on a 5 point scale (A to E) in school	Areas and Objectives (as prescribed in the Scheme of Studies for Subjects of Internal Assessment)
Work Education or Pre-Vocational Education	By the concerned Teacher.	Work Education is a distinct curricular area for students for participation in social, economic and welfare activities. Student gets a sense of community service and develops self reliance (for Pre-Vocational Education as per Scheme of Studies).
Art in Education	By the concerned teacher handling Visual & Performing Art	Art Education constitutes an important area of curricular activity for development of wholesome personality of the students. Students will select one or more forms of creative arts.
Health & Physical Education (Sports /Martial Arts / Yoga / NCC etc.)	By the Physical Education Teacher	Health & Physical Activity preferably sports must be given a regular period. Students should be provided opportunities to get professionally trained in the area of their interest. Indigenous sports, yoga and NCC must be encouraged in the schools creating a sense of physical fitness, discipline, sportsmanship, patriotism, self sacrifice and health care.

(3) Discipline (Attendance, Sincerity, Behaviour, Values):

A) Discipline significantly impacts career shaping and it helps build character. Sincerity, good behavior and values develop strength and foster unity and co-operation. Therefore, the element of discipline has been introduced. Class teacher will be responsible for grading the students on a five point scale (A to E).

The internal assessment comprising 20 marks (10+5+5) entails objectivity and a structured approach. For a holistic assessment, the teachers are expected to make it an effective tool.

B) Documentation :

Records pertaining to the internal assessment of the students done by the schools will be maintained for a period of three months from the date of declaration of result for verification at the discretion of the Board. Subjudiced cases, if any or those involving RTI/Grievances may however be retained beyond three months.

Uniform System of Assessment, Examination and Report Card from Academic Year 2017-18 onwards:

1. The CBSE has issued Circular No. Acad.-05/2017 dated 31.01.2017 on the restoration of Board Examination for Class X and revised assessment structure and examination for Class X from Academic Year 2017-18 onwards. The new scheme will bring the uniformity in this system of assessment and examination for Classes IX and X in all the CBSE affiliated schools. The scheme for classes VI-VIII has been designed on Term Assessment basis with gradual increase in the learning assessment as the students move forward. This would prepare the students to cover the whole syllabus of the academic year and face the challenge of Class X Board examination, and would thus, ensure the 'quality of education'.

2. With restoration of class X Board examination, the CBSE will issue the report card for class X based on the Board examination with effect from Academic Year 2017-18. As the assessment structure and examination pattern for class IX will be similar to that of class X, the report card for Class IX issued by the schools should also be similar to that of Class X.

3. Uniformity in the assessment structure, examination and issue of report cards across all the affiliated schools is felt necessary from class VI to VIII. The detail components of the scheme are mentioned below for easy understanding and implementation.

3.1 Scholastic Area: The assessment structure and examination for classes VI to VIII have been prepared in view of the provisions of RTE-Act 2009 and comprises of two terms i.e. Term-1 and 2 as explained below:

VI to VIII

Subject	Term-1 (100 marks) (1 st half of the session) 20 marks Periodic Assessment + 80 marks for Half Yearly Exam.		Term-2 (100 marks) (2 nd half of the session) 20 marks Periodic Assessment + 80 marks for Yearly Exam.	
Language-1	PA 20 marks	Half Yearly Exam	PA 20 marks	Yearly Exam
Language -2	<ul style="list-style-type: none"> Periodic Test 10 marks with syllabus covered till announcement of test dates by school 	<ul style="list-style-type: none"> Written exam for 80 marks with syllabus covered till announcement of Half Yearly exam dates by school 	<ul style="list-style-type: none"> Periodic Test 	Written exam for 80 marks with syllabus coverage as below: Class VI: 10% of 1st term covering significant topics + entire syllabus of 2nd term. . Class VII: 20% of 1st term covering significant topics + entire syllabus of 2nd term. Class VIII: 30% of 1st term covering significant topics + entire syllabus of 2nd term.
Language -3			<ul style="list-style-type: none"> 10 marks with syllabus covered till announcement of test dates by school • 	
Mathematics			<ul style="list-style-type: none"> Note Book Submission 5 marks at term end 	
Science Social			<ul style="list-style-type: none"> End. 	
Science	<ul style="list-style-type: none"> Subject Enrichment 5 marks at term end 		<ul style="list-style-type: none"> Subject Enrichment 5 marks at term end. 	
Any other Subjects				

3.2 Subject Enrichment Activities: These are subject-specific activities aimed at enhancing the understanding and skills of the students. These activities are to be carried out throughout the term, however, they should be evaluated at the term-end

3.3 Languages: Aimed at equipping the learners to develop effective listening and speaking skills. The language teachers may devise their own methods and parameters for assessment of the languages.

3.4 Mathematics: For the activities in Mathematics, refer to CBSE website.

3.5 Science: Practical work and activities in Science may be undertaken as suggested by the NCERT Syllabus and Text Books. The CBSE website may be referred for activities of Class VIII Science Subject.

3.6 Social Science: Map or the project work may be undertaken as suggested by the NCERT Syllabus and Text Book.

Grading Scale for Scholastic Areas (Class VI-VIII)		Grading Scale for Scholastic Areas (Class IX)	
(Schools will award grades as per the following grading scale)		(Schools will award grades as per the following grading scale)	
Marks Range	Grade	Marks Range	Grade
91-100	A1	91-100	A1
81-90	A2	81-90	A2
71-80	B1	71-80	B1
61-70	B2	61-70	B2
51-50	C1	51-50	C1
41-50	C2	41-50	C2
33-40	D	33-40	D
32 & below	E (Needs improvement)	32 & below	E(Failed)

4. Co-Scholastic Activities (Classes VI-VIII): For the holistic development of the student, co-curricular activities in the following areas be carried out in CBSE affiliated schools by the teachers and will be graded term-wise on a 3-point grading scale (A=Outstanding, B=Very Good and C=Fair). The aspect of regularity, sincere participation, output and teamwork be the generic criteria for grading in the following co-scholastic activities.

- (a) Work Education - Work Education refers to skill-based activities resulting in goods or services useful to the community.
- (b) Art Education (Visual & Performing Art).
- (c) Health and Physical Education (Sports/Martial Arts/Yoga/NCC etc.)

5. Discipline (Classes VI-VIII): The students will also be assessed for the discipline which will be based on the factors like attendance, sincerity, behaviour, values, tidyness, respectfulness for rules and regulations, attitude towards society, nation and others. Grading on Discipline will be done term-wise on a 3-point grading scale (**A=Outstanding, B=Very Good and C=Fair**).

6. **Record Keeping:** The CBSE affiliated schools will follow the simple documentation procedure and collate the same at the time of preparing the report card. Unnecessary lengthy and repetitive documentation by teachers must be avoided.

7. **Report Card:** Based on the above scheme, report cards for classes VI to IX will follow the annexed formats and the report card will prominently display the logo of CBSE on left side and school's logo on right side:

ANNEXURE-II: Format for the report card for class IX

ANNEXURE-III: Format for the report card for classes VI to VIII

Scholastic Area :

The assessment structure and examination for classes VI-VIII have been prepared in view of the provisions of RTE Act-2009 and comprises of two terms i.e. Term-I & II.

Classes VI - VIII**Term-I : 100 marks****Term-II (100 marks)**

(1) 20 marks Periodic Assessment – (i) 10 marks for Periodic Test, (ii) 5 marks for Notebook Submission; (iii) 5 marks for Subject Enrichment Activity. 2) 80 marks for Half Yearly exam. Total : 100 marks	(1) 20 marks Periodic Assessment – (i) 10 marks for Periodic Test, (ii) 5 marks for Notebook Submission; (iii) 5 marks for Subject Enrichment Activity. 2) 80 marks for Yearly exam. Total : 100 marks
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Number of tests to be conducted in each term for each subject in (A) Class VI-VIII and (B) Class IX and X.

(A)	One Periodic Test and Half Yearly Exam. in Term-I similarly, one Periodic Test and Yearly Examination, Total – 04 No. of Tests are to be conducted in a year. 10%, 20% and 30% of 1 st Term covering significant topics plus entire syllabus of 2 nd Term of Class VI, VII & VIII respectively to be included in the Yearly examination.
(B)	Whereas for Class IX and X. Three Periodic Tests and Year end examination – Total – four tests are to be conducted in a year. 100% syllabus is to be covered for Yearly examination.

Co-Scholastic Activities:

For the holistic development of the students, co-curricular activities in the following areas will be carried out:

S.No.	Classes VI – VIII	S.No.	Classes IX & X
1.	Work Education	1.	Work Education.
2.	Art Education (Visual & Performing Art)	2.	Art Education (Visual & Performing Art)
3.	Health & Physical Education. (Sports/Martial Arts /Yoga/ NCC etc.) The above activities will be graded Term wise on a 3 – Point Grading scale – (A = Outstanding, B = Very Good, C= Fair)	3.	Health & Physical Education. (Sports/Martial Arts /Yoga/ NCC etc.) The above activities will be graded Term wise on a 5 – Point Grading scale – (A = Outstanding, B = Very Good, C= Fair), D = Average. E = Below Average.

Keeping in view the system of assessment for Classes VI-IX and Class X in terms of circulars of CBSE mentioned above and the Vacation Schedule of NVS and the suggestions given by the ROs , a draft proposal for examination schedule is given below :

ASSESSMENT OF SPEAKING AND LISTENING SKILLS:

It is an undesirable fact that national and international boundaries have become seem less. English as a medium of communication has acquired an important role in bringing world together. A good communication skill raises the self esteem of a student. It is essential that students acquire proficiency in it, by the time they leave the portals of the school. CBSE has envisaged that all language skills need to be integrated into English language curriculum at schools. Speaking and listening should be fostered in children to equip them with better communication skills. Hence it has introduced formal

testing of speaking and listening skills at the school level in the summative assessments in English at class IX, X & XI.

The listening comprehensive section tests the students' ability to listen for basic interpersonal, instructional and academic purposes. A number of sub skills such as listening for specific information, general understanding, predictive, inferential, intensive and exhaustive listening and listening for pleasure are developed.

Some of the sub-skills that are developed through speaking skills are speaking intelligibility using appropriate word stress, sentence stress and intonation patterns, narrating incidents and events, real or imaginary in a logical sequence, presenting oral reports or summaries; making announcements clearly and confidently, expressing and arguing a point of view clearly and effectively, taking active part in group discussions, showing ability to express agreement or disagreement, summarizing ideas, eliciting the views of other, presenting own ideas, expressing and responding to personal feelings, opinions and attitudes, participating to spontaneous spoken discourse in familiar social situations. Students who stammer may be given extra time during the assessment process as per the need of the child. However CBSE has provided an option to the students who have "speech impediment" or who are "hard of hearing" or who have both disabilities partially or wholly by replacing ASL in to two assignments (story writing and review of the novel) of equal weightage, each based on the novel/long reading text prescribed for the class.

13. COMMON EXAMINATION:

1. The question papers will be prepared at Head quarter level and printed at Regional Level. These question papers will be provided to all JNVs. Confidentiality at all levels to be maintained.
2. Question papers for Half Yearly and Yearly will be prepared at Hqrs. Level for VII & VIII and Pre-Board for Class X as per CBSE guidelines and to be printed at Regional Level. Question Papers for Board Examination in respect of Classes X will be from CBSE.
3. Evaluation of answer scripts other than Board Examination will be done at JNV itself.
4. The Vidyalayas have to analyse the results and result analysis is to be submitted to RO within 48 hours of last paper. 10% of answer books in all subjects will be checked by Principal and Vice Principal.
5. Identification of supportive learners (low achievers) will be done on the basis of performance of students in pen-paper tests.
6. Remedial teaching is to be taken up immediately after the diagnosis of supportive learners strictly under the supervision of the Principal/Vice-Principal. Monthly review of the performance of supportive learners will be done in all subjects and in case no improvement is observed, the strategies will be modified to achieve improvement.
7. Question papers for TWO Periodic Assessments for classes VI, VII, VIII each, and THREE Periodic Assessments for IX & X each and unit tests of XI & XII will be done at Vidyalaya level as per the CBSE Guidelines for the Academic Year 2017-18.

**14. SCHEDULE FOR PERIODIC TESTS, HALF YEARLY & YEARLY EXAMINATION:
CLASSES VI – VIII:**

Sl. No.	Assessment	Date	Classes	Remarks
1	Periodic Test -I	25 to 31 July, 2017	VI-VIII	
2	Half Yearly Exam.	15 th – 21 st September, 2017	VI-VIII	
3	Periodic Written Test -II	9 th – 15 th December 2017	VI-VIII	
4	Yearly Examination	March , 2018	VI-VIII	

15. SCHEDULE FOR PERIODIC WRITTEN TESTS, PRE BOARD – I, PRE BOARD – II AND YEARLY / BOARD EXAMINATIONS FOR CLASSES IX / X - 2017-18:

Sl.	Assessment	Date	Classes	Remarks
1	Periodic Written Test -I	25 to 31 July, 2017	IX & X	Marks of the best two Periodic Written Tests to be taken in Class IX & X.
2	Periodic Written Test -II	15 th – 21 st September , 2017	IX & X	
3	Periodic Written Test -III	9 th – 15 th December, 2017	IX & X	
4	Pre Board Exam	18 th – 31 st January, 2018	X	
5	Board Exam/ Yearly Exam.	March 2018	IX & X	

16. SCHEDULE FOR UNIT TESTS, PRE-BOARD EXAMINATIONS, REVISION TEST FOR CLASSES-XI & XII 2017-18

Sl. No.	UT	Month	Classes	Remarks
1	I	June/July 2017	XI & XII	Dates of UT may be decided at the Vidyalaya Level
2	II	August 2017	XI & XII	
3	III	September 2017	XI & XII	
4.	TT-I	14 th – 24 th Sept. 2017	XI & XII	
4	IV	November 2017	XI & XII	
5	V	December 2017	XI	
6	VI	January 2017	XI	
7	PB-I	9 to 15 December 2017	XII	
8	PB-II	18 th – 31 st January, 2018.	XII	
9	Revision Exam	16 to 28 February 2018	XI	
10.	Board Exam./TT-II	March,2018	XI / XII	

TIME TABLE FOR HALF YEARLY / TT-I TO BE DECIDED BY REGIONAL OFFICES**TIME TABLE FOR PRE-BOARD EXAMINATIONS FOR CLASS- X & XII(PB-1) TO BE DECIDED BY REGIONAL OFFICES****TIME TABLE FOR YEARLY EXAM / T.T-2 / PRE-BOARD-2 FOR CLASS XII / REVISION EXAMINATION FOR CLASS XI WILL BE INTIMATED BY NVS HQTS.****17. PREPARATION OF COMMON QUESTION PAPERS / PRACTICE PAPERS FOR THE YEAR 2017-18:**

S. No.	Class	Type of work Assigned	Region
1	VI	Half Yearly Examination (All papers including Hindi Course A & B except Regional Language. Maths, Science, Social Science shall be in bilingual)	Jaipur
2	VII	Half Yearly Examination (All papers including Hindi Course A & B except Regional Language. Maths, Science, Social Science shall be in bilingual)	Shillong
3	VIII	Half Yearly Examination (All papers including Hindi Course A & B except Regional Language. Maths, Science, Social Science shall be in bilingual)	Chandigarh
4	XI	Term Test-1 (All subjects). Humanities shall be in Bilingual	Lucknow
5	XII	Term Test-1 (All subjects). Humanities shall be in Bilingual	Hyderabad
6	VI	Yearly Examination- Maths, Science, Social Science shall be in bilingual and Hindi Course 'B' paper will be set by the respective R.Os if need be.	Patna
7	VII	Yearly Examination- Maths, Science, Social Science shall be in bilingual and Hindi Course 'B' paper will be set by the respective R.Os if need be.	Bhopal
8	VIII	Yearly Examination- Maths, Science, Social Science shall be in bilingual and Hindi Course 'B' paper will be set by the respective R.Os if need be.	Pune
9	IX	Yearly Examination- Maths, Science, Social Science shall be in bilingual and Hindi Course 'B' paper will be set by the respective R.Os if need be.	Pune
10	XI	Revision exam (All subjects). Humanities Stream QPs shall be in bilingual	Lucknow
11	XI	Term Test-2 (All subjects). Humanities Stream QPs shall be in bilingual	Chandigarh
12	X & XII	Pre board -1 Respective R.Os to arrange the QPs and complete Pre- Board exam.	
13	XII	Pre -Board-2 1. English, Maths, Physics, Chemistry, Biology,	Hyderabad
		2. Commerce, Economics	Lucknow
		3. Hindi, History, Geography, Marketing Management, Catering Technology and other Vocational Courses	Jaipur
		4. Informative practices, Computer Science, Bio-technology	Jaipur
14	XII	Practice test papers (5 papers in each subject by dividing the portion 20% each)	Bhopal
15	X	Practice test papers (5 papers in each subject by dividing the portion 20% each)	Patna

18. MINIMIZING OF SELF CENTERS FOR CONDUCT OF THE BOARD EXAMINATIONS:

In order to sustain the credibility of Board Examination, NVS implemented the idea of having outside centres for Board Exams for Navodaya Vidyalaya students.

Efforts are to be made by the Regional Offices to identify at least 50 % outside centres for the conduct of AISSE/AISSCE-2018. JNVs are excelling in their Academic Performance and producing quality output for the last couple of years. Producing quality results with outside centres will prove to the public about the quality work performed by JNVs.

Since, the remodelled Assessment emphasizes for internal assessment, the credibility of School Based Assessments need to be maintained at Vidyalaya Level. The process of conduct of exam, evaluation of answer scripts and compilation of results as per CBSE instructions need to be strictly adhered to. Each Regional Office will study the availability of other CBSE affiliated schools and forward the details to NVS Hqrs. and CBSE. Proper arrangement is to be made for escorting the students safely, if outside centres are fixed for CBSE examinations.

19. ADMISSION IN CLASS VI:

- Once the selection list is received from CBSE, details of the selected students are to be checked thoroughly with the application forms.
- If any discrepancy is noticed, the same is to be brought to the notice of NVS, R.O and CBSE. If there is no discrepancy, parents of the selected students are to be informed officially and also a copy of different proformae which are to be submitted at the time of verification of documents to be sent. Intimation is to be given only by Registered Post with acknowledgement due card.
- On the day of verification, proper scrutiny of the documents is to be done by involving the staff of JNV. If clarification is to be sought, the same is to be officially communicated.
- A meeting of the parents along with their wards may be conducted on the verification day to brief them about the "Navodaya" system.
- On the day of verification, actual date of beginning the classes and the reporting date are to be informed.
- If any student/parent does not report for certificate verification, at least twice registered posts are to be sent in the form of final notice.
- Before the students of class VI report for classes, all the arrangements are to be made for their stay in the dormitories.
- Other items and textbooks are to be made available on the reporting day.
- If any vacancy exists due to non-reporting of candidate even after two reminders or non-submission of required documents, CBSE is to be requested to release the waitlist.
- It should be ensured that admission process is completed within 20 days from the date of receipt of the select list.
- ***The admission process to class VI through main list should be completed latest by 30th June 2017.***

JNVST (Class-VI):

- Time activity schedule provided by NVS HQrs is to be strictly followed.
- On receipt of prospectus-cum-application forms from NVS, R.O., arrangement is to be made for publicity:
- District administration is to be appraised regarding JNVST and the cooperation for distribution of prospectus is to be requested.
- DEO/ DDPI/ IS/ BEO are to be requested for providing wide publicity.
- Principal of JNV, with the permission from competent authority, may attend the meeting

of Headmasters of primary schools and they may be requested to help for enrolment of their students.

- Pamphlets may be distributed throughout the district for publicity.
- Help of PTC, parents and Alumni may be sought for distribution of prospectus.
- Arrangement is to be made for publicity through AIR, Doordarshan, local cable operators, Headman of village etc.
- On receipt of the filled in applications from District Administration, arrangement is to be made for proper scrutiny.
- Language-wise requirement of question papers is to be communicated to NVS, RO as per time activity schedule.
- Bio-data is to be forwarded to Regional Office within the stipulated period.
- Efforts should be made to enhance the number of applications by at least 10%

20. LATERAL ENTRY TEST FOR ADMISSION IN CLASS-IX AGAINST VACANT SEATS:

- Arrangement is to be made for lateral entry test, only when vacancies exist in class IX for the session.
- Vacancy is to be notified and is to be intimated to NVS, R.O.
- Application forms are to be distributed in the district, only if vacancies exist.
- Demand for question papers is to be submitted to NVS, R.O after the scrutiny of applications.
- Test is to be conducted as per the guidelines.
- After the conduct of the test, answer papers are to be forwarded to the evaluation centre along with the latest vacancy position and bio-data of candidates in soft and hard copies.
- On receipt of select list from Regional Office, admission is to be done after proper verification of documents.

Time Activity Schedule for Conduct of Lateral Entry Test 2017 for Admission of Students to Class IX during the Academic Year 2017-18

SN	Activity	Agency Involved	Time Target
1.	Publicity through Newspapers/Doordarshan /Radio	Regional Office/ JNV Principal	12.5.17
2.	Distribution of Prospectus-cum-Application Form	JNV Principal	12.5.17
3.	Submission of Custodian Bank details to CBSE	CBSE/NVS HQrs./R.O./JNV	19.5.17
4.	Last date of submission of Application Form at JNV	Candidate / JNV Principal	29.5.17
5.	Intimation of requirement of Question Papers by JNV to R.O	JNV Principal/ Regional Office	30.5.17
6.	Intimation of requirement of Question Papers by R.O. to NVS Hqrs.	NVS Hqrs./R.O	30.5.17
7.	Intimation of requirement of Question Papers by NVS Hqrs. To CBSE	CBSE/NVS Hqrs.	30.5.17
8.	Scrutiny of Application Form at Vidyalaya level by a duly constituted Committee	JNV Principal	5.6.17
9.	Dispatch of Admit Cards to the candidates	JNV Principal	12.6.17
10.	Conduct of Examination		24.6.17
11.	Uploading the list of selecting students in JNV Website	Principal JNV	3.7.17
12.	Intimation to selected students by JNVs	Principal JNV	4.7.17
13.	Completion of Lateral Entry Admission Process including Admission through wait list	Principal JNV/Regional Office	10.7.17
14.	Submission of Report of Admission to NVS Hqrs.	R.O	11.07.17

Note: Lateral entry admissions should be completed on or before 10th July, 2017

21. ALLOTMENT OF STREAMS:

It is decided to follow the criteria given below for admission in Class XI for the session 2017-18:

Science with Mathematics

- 5.0 Grade Point in English
- 6.0 Grade Point in Maths (without upgradation)
- 6.0 Grade Point in Science (without upgradation)
- 13 Grade Point in Science & Maths together
- 33 Grade Point in aggregate of all subjects in Class X

Science without Mathematics

- 5.0 Grade Point in English
- 5.0 Grade Point in Maths
- 7.0 Grade Point in Science
- 30 Grade point in aggregate of all subjects in Class X

Commerce Stream with Maths

- 6.0 Grade Point in Maths if Maths is offered as compulsory subject in this stream.
- 25 Grade Point in aggregate of all subjects in Class X.

Commerce without Maths

- 5.0 Grade Point in Maths
- 26 Grade Point in aggregate of all subjects in Class X.

Note: If there is a tie among students, admission in Science Stream is to be decided on the basis of performance in SA2 in the subjects like English, Science and Mathematics only.

22. ACTIVITIES TO BE CONDUCTED DURING THE YEAR 2017-18:**1) MEETINGS TO BE CONDUCTED:**

- Safety and Security Meeting (Fortnightly)
- PTC Meeting (2nd Saturday of every month)
- Subject Committee Meeting (Monthly)
- Academic Committee Meeting (Monthly)
- Mess Committee Meeting (1st week of every month)
- HM/AHM Meeting with Principal & VP (2nd week of every month)
- HM/AHM Meeting with House students(Fortnightly)
- M&R Committee Meeting(Monthly)

2) SPORTS & GAMES ACTIVITIES

- For cluster and Regional Meets-Dates are to be decided by Regional Office
- **National Meet allotted to Regional Offices for 2017-18**
(Period of meet will be decided by the respective Regional Offices.)

Sl. No	Event	Regional office
01.	Volleyball	Bhopal
02.	Hockey	
03.	Yoga	Chandigarh
04.	Athletics	
05.	Basketball	Hyderabad
06.	Taekwando	
07.	Tabel Tennis	Jaipur
08.	Wrestling	
09.	Football	Lucknow
10.	Kabaddi	
11.	Handball	Patna
12.	Archery	
13.	Chess	Pune
14.	Cricket	
15.	Judo	
16.	Kho-Kho	Shillong
17.	Badminton	

Note: Benchmark - Previous years 4th position

3) OTHER ACTIVITIES TO BE CONDUCTED

- Rajbhasha Programme as per schedule
- Book Week
- Mathematics Day & Science Day
- Annual Day
- Alumni Day
- Annual Sports Meet
- Hindi Pakhwada

Note: In addition to the above mentioned activities, other activities of important nature which are being conducted may also be continued.

23. CO-CURRICULAR ACTIVITIES (CCA) IN JNVs:

Co-curricular activities supplement and compliment the curricular activities. Performance in CCA is an important indicator of the quality of the students and the academic inputs. Hence, high quality of performance and organization should be ensured. Sufficient time has to be given to students for preparing for the CCA. Invariably the CCA should be organized as Inter House Competitions and points are recorded appropriately and also displayed on the 'CCA Bulletin Board'. These competitions add charm and boost the House spirit which is very much essential in a residential setup. To manage time, these activities may be conducted in sync with the celebration of important festivals, Days and occasions. AEP activities need not be conducted in isolation; instead they may be embedded in CCA Inter House and Pace Setting activities. A register for CCA should be maintained to record notices, draw of lots, allotment of duties on the day of competitions, results of the event, etc. The sequence of steps in organizing a CCA should be scrupulously followed to ensure fairness and quality.

Various circulars issued by NVS HQ/ ROs from time to time be strictly adhered to.

Activities identified should cover all the areas which ensure development of holistic personality. CCA should be conducted on regular basis once in a week by ensuring maximum participation of students. The concerned teachers/HMs/AHMs should be available for inter house CCA competitions and all staff should be present for the celebrations of important days

and events.

S. No	Events
I. LITERARY ACTIVITIES	
1	Debate in English / Hindi /Regn.Lang
2	Essay Writing in English /Hindi/Regn..Lang
3	Extempore / impromptu in Eng/Hindi/ Regn. Lang
4	Poem Recitation in English / Hindi / Regn. Lang
5	Calligraphy in Eng / Hindi / Regn.Lang
6	Mime Show
7	Creative Writing Eng/Hindi/Regn. Lang
8	Declamation in English/Hindi/Regn. Lang
9	Story Telling in English /Hindi/ Regn.Lang
10	Street Play (Nukkad natak) in English/Hindi/Regn. Lang
11	Puppet Show
12	Shadow Play
13	Slogan Writing in English/Hindi/Regn Lang
14	Quiz
15	Seminar – Paper Presentation
16	Book Review in English /Hindi/ Regn. Lang
II. PERFORMING ARTS	
1	Group Dance/Folk Dance/Classical Dance
2	Solo Dance
3	Skit-English/Hindi/Regn.Lang
4	One Act play in Eng/Hindi/Regn.Lang
5	Dramatis in Eng/Hindi/Regn. Lang
III. Music	
1	Group Song i. Patriotic Song ii. Folk Song iii. Devotional Song
2	Solo Singing i. Patriotic Song ii. Folk Song iii. Devotional Song
3	Instrumental
4	Action Song (Mass Participation)
IV. ART	
1	Painting-Landscape Painting , Portrait Painting, and Composition Painting
2	Mask Making, Cap Making, Kite Making, Rakhi Making
3	Paper craft / paper cutting
4	Collage
5	Emboss Painting on glass
6	Calligraphy
7	Rangoli Competition, Theme based viz., Earth Day, Environment Day, Save Water, Save Energy, Save Fuel, Save Tiger etc.,
8	Cartoon Drawing- ICT tools available for designs/3D models may also be practised. Models prepared will also be useful for classroom activities in all subject areas.
9	Clay Modelling

10	Mehandi Drawing
V. SUPW	
1	House wise Exhibits
2	House wise gardening
3	Innovative Items
4	Recycling of Waste Materials
VI. ICT	
1	PowerPoint Presentation on given topic
2	Inter House Quiz
3	MS-Paint Presentation
4	Web Surfing on a theme
VII	Library Week Activities (Nov. 14 to 21, 2017) (National Book Week Celebrations)
	i. Book Cover Designing ii. Book Exhibition iii. Book Review iv. Comparison of Authors v. Seminar & Symposium involving eminent Librarians vi. Essay Writing / Elocution/Extempore on importance of books vii. Quiz on Authors/Books/excerpts
VIII. QUIZ	
1	Inter house-class wise-covering all the subjects viz Lang/Science/Computers/Soc.Sc/Maths 1. Rapid Fire 2. Visual Round, 3.Listen & Say
IX CELEBRATION OF IMPORTANT DAYS	
1)	12 th January - National Youth Day
2)	26 th January - Republic Day
3)	30 th January - Martyr's Day and World Leprosy Eradication day
4)	28 th February - National Science Day
5)	3 rd March - National Defence Day
6)	8 th March - International Women's Day
7)	15 th March - World Disabled Day
8)	21 st March - International Day for Elimination of Racial Discrimination
11)	7 th April - World Health Day
12)	22 nd April - World Earth day
13)	31 st May - Anti-Tobacco Day
14)	5 th June - World Environment Day
15)	21 st June - International Yoga Day
16)	11 th July - World Population Day
17)	9 th August - Quit India Day
18)	15 th August - Independence Day
19)	29 th August - National Sports Day
20)	5 th September - Teacher's Day
21)	8 th September - World Literacy Day
22)	25 September - Pt. Deen Dayal Upadhyay Jayanti
23)	2 nd October - Gandhi Jayanthi
24)	31 st October - Sardar VallabhBhai Patel Jayanti
25)	11 th November - National Education Day

- | | | |
|-----|-----------------------------|-----------------------------|
| 26) | 14 th November - | Children's Day |
| 27) | 30 th November - | National Flag Day |
| 28) | 1 st December - | World AIDS Day |
| 29) | 10 th December - | Human Rights Day |
| 30) | 23 rd December - | Farmers Day (Kissan Diwas) |

X. Inter House Cultural Evening

- i. Mimicry ii. Pantomime iii. Fancy Dress iv. Jokes
v. Mono acting vi. Dance vii. Singing viii. Skit etc

XI Hindi Pakhwada Activities (Sept 14-27.09.2017)

Sl. No	Activity
01	Self Composed poem
02	Short Story Writing
03	Story Telling
04	Chutukule (Jokes)
05	Essay Writing
06	Elocution, Impromptu/ Extempore
07	Just a Minute
08	Pick and Speak
09	Debate
10	Book Review
11	Hindi Manuscript Magazine (Housewise/Classwise)
12	Poster Designing
13	Poem Recitation
14	Quiz
15	Slogan Writing, Caption Writing
16	Monoact

24. HOBBIES / CLUB ACTIVITIES:

All-round development means mental, physical, psychological, spiritual and vocational development. We cannot achieve this all-round development by following mere class room teaching-learning procedures. Here the relevance of Club Activities becomes prominent. It is one of the co-curricular activities that are gaining much importance these days. These activities are mostly voluntary for students.

Every student of the JNV is to be a member of at least one club. Similarly every teacher should be attached to any one of the clubs. Vidyalaya can give provision for conduct of club activities in the monthly calendar. Last two periods, preferably, on any one of the days, once in fort night may be exclusively reserved for club activities. All the in-charge teachers and associated teachers are to sit together with all the club members for planning their activities on the first club activity day of the year. Accordingly activities are to be organized on the subsequent club activity days. All teachers after considering the interest of the students and discussing with each student may finalize the club members. Principal and the concerned teachers to ensure that all the children are involved in the club activities and each club should emerge as a resource centre. Every JNV will properly plan, prepare and implement the club activities for the academic year 2017-18 to achieve the intended objectives of the clubs whose suggested activities are given below.

Sl.No.	Club	Suggested Activities
1.	Literary Club	Debates & Discussion, Story writing, Essay writing, Reading, Seminar, Recitation, Kavi Sammellan, School Magazine, Study Circle
2.	Nature Club	A forestation drive, nature photography, important day celebrations, best out of waste competitions, discussion & debates & Cleanliness drive. Visit to Zoo and Botanical Garden , Energy Conservation Projects & Flower & Dry Flower arrangement.
3.	Peace Club	Peace lectures, peace quiz, celebration of peace day, debates on national & international peace, slogan writing
4	Fine Arts Club	Drawing, Painting, Sculpture, Exhibition, Rangoli, pot making, collage making.
5.	Performing Arts Club	Music, Dancing, Fancy Dress, Folk Dance, Folk Songs, Theatre, Dramatics, Variety Programme.
6	Science & Technology Club	Preparation of working models, improvisation, devising simple experiment, collection of specimen, samples, preparation of good presentation, using ICT, Science Excursion and fairs.
7	Home Science Club	Needle work and knitting, Cooking, Gardening, Cocktail preparation, Salad decoration,
8	Health Club	First-Aid, Red Cross, Aids Day Celebration
9	Civic Club	Cooperative Bank, Cooperative Store, Assembly, Students Council, Canteen, Celebration of Religious, National Festivals, Organization of School Panchyat, & Mock Parliament etc. , NSS
10	Adventure Club	Games- Indoor & Outdoor, Athletics, Mass drill, Parade, Scouting, NCC etc.
11	History Club	Stamp collection, Coin Collection, Visit to Museums, Archaeological Sites & photography.

METHODS OF ORGANISATION(Suggestive):

1. Daily – 2 minutes programme in the Morning Assembly
2. Weekly- Furnishing latest updates on the display Boards.
3. Monthly- Club activities separately for Senior and Junior Classes.
4. Throughout the Year- Models, Exhibits, Celebration of Days, Events etc.

25. LIBRARY ACTIVITIES:

Library is the treasure house and hub of all academic activities of the Vidyalaya and the JNV Librarian plays a vital role in mobilizing the library resources for the benefit of the students and staff. The JNV Librarian has to follow the guidelines already circulated for the effective functioning of the Vidyalaya Library. The following library based activities are suggested for effective implementation and the required resources have to be created :

A. Reader's club activities.

- Update and improve the collection of books and periodicals to set standard & to meet the needs of users.
- Promotion of reading habit of the students, staff and the community.

- Publication of handwritten magazine on special occasions.
- Preparation of wall magazines as an inter house competition.
- Conduct of reading sessions by teacher to students.
- Arrangement of newspaper clippings.
- Story telling sessions.
- Read a book and review it and book talk.
- Exhibit "BOOK FOR THE DAY" and new arrivals in the library.
- Inviting Authors / Publishers to Vidyalaya.
- Organizing intra and inter-house quiz competitions in book review, book reading, spellathon, spell and word building games.
- Literary competitions on special occasions.
- Visit to District library and publishing house along with students.
- Scrap book preparation on Great Personalities and different subjects.
- Automation of entire school library accession registers and issue system.
- Introducing SCRABBLE game to improve vocabulary and spellings.

B. National Book week Celebration 14th to 20th November (Proposed Activities)

- Wall – Poster writing competitions.
- Designing of book jackets book covers after reading the books- collaborative work.
- Inter-house quiz competition
- Essay writing competition in Hindi, English and Regional language.
- Story writing / telling competitions [in 3 languages]
- Debate / Elocution competitions.
- Pick and speak competitions on books / authors.
- Review of Books.
- Organizing talks by eminent writers, publishers and litterateurs.

C. OTHER ACTIVITIES:

- Career guidance Programme on a regular basis
- Guidance for Common Entrance Test (CET)
- Special reference service for Board Class Students.
- Sharing of library resources with neighbouring schools.
- Mobile library to nearby schools / villages
- Encourage the children to procure newspaper for reading in dormitory.
- Co-ordinate the publication of school magazine/news bulletins.
- Identifying best readers from each class and awarding them to motivate the students to utilize the library facilities to the optimum level.
- Installation of computer with internet facility for student and staff to surf and find information. Librarian can also access.
- Procuring books from other libraries on loan for providing reading experience.
- Helping students in library based project given by teachers.

Paradigm shift from collection building to connection building, linking with other libraries use of internet to provide e-books and material available on the website.

26. ADOLESCENCE EDUCATION PROGRAM (AEP):

Adolescence Education Program (AEP) launched with the UNFPA support under Country Program -8 (CP-8) has been implemented by 3 National Agencies: National Institute of Open Schooling (NIOS), Kendriya Vidyalaya Sangathan (KVS) and Navodaya Vidyalaya Samiti (NVS). The AEP has been the extended version of the Project on "Adolescent Reproductive and Sexual Health (ARSH) in Schools" As an experimental project in 2004. In

2005 the "Project on ARSH in schools" was converted into Adolescent Education Program (AEP) expanding its coverage as well as objectives. The Ministry of Human Resource Development (MHRD), Government of India, which is the executing agency, transferred the AEP along with the other Quality Improvement in Schools (QIS) schemes to the National Council of Educational Research and Training (NCERT) effective April, 2006. Hence, NCERT is the coordinating agency for AEP.

Adolescence Education Programme Mandatory School-Based Activities to be Organized by Nodal Teachers and Peer Educators in Addition to 23 Hours Class Room Transaction by Teachers

Rationale: Peer Educators orientation programme was conceptualised in order to engage young people meaningfully in the Adolescence Education Programme (AEP). However, it has been observed that all the schools are not able to engage the peer educators to reach out to other students and further improve the teaching-learning environment in their schools.

After the orientation of peer educators, two sets of activities are suggested for every school that may help in mainstreaming the concerns of Adolescence Education Programme in the school curriculum. These include organisation of theme-based assemblies and activities for classes 8th to 11th. Certain reference documents have also been suggested to facilitate organization of these activities. Peer educators and nodal teachers are also encouraged to look up other resources, such as, refer to other relevant books, newspapers, access internet, to further enhance their knowledge on these issues and also share it with other school students. AEP now supports an Adolescence Resource Centre (ARC) that is a virtual storehouse of several interesting resources including, manuals, teaching learning videos, pictures, archived discussions on educational themes. Please log on to www.aeparc.org to access different resources related to AEP and submit regular quarterly school based activity reports by using school ID and pass word. The key reference documents mentioned in these guidelines, i.e. NCERT publications on Adolescence Education in Schools: A package of basic materials, Manual (Training and Resource Materials on AEP), a set of four books written by Kamla Bhasin on adolescence, can be accessed from the website.

A month wise scheme of themes and activities is provided below to provide a concrete role to peer educators with guidance from nodal teachers.

Activities to be organised by Schools in Academic Year 2017-18

Theme	Month and Year	Morning Assembly	School-based activity for classes 8-11
Working in teams	July 2017	Sub-topics to include:	
		• Why is it important for school students to work in teams	Games
		• Characteristics of a good team	Reference:
		• How to build a good team	1. Peer Educator (PE) Manual, p.4&33.
Healthy and positive relationships	August 2017	Sub-topics to include:	Case studies and role plays followed by discussion
		• Attributes of positive and healthy relationships	Sharing of experiences in writing or during discussions

		<ul style="list-style-type: none"> Attributes of negative and exploitative relationships 	<u>Reference:</u> 1.AEP Training Manual, p.39, 41, (Case Study 1, 2 and 4)
		<ul style="list-style-type: none"> Skills for getting out of negative and exploitative, relationships 	2.PE Manual, P. 11
Challenging gender stereotypes	September 2017	Sub-topics to include: <ul style="list-style-type: none"> Respect for each other Recognizing and challenging gender stereotypes and discrimination Reporting abuses and Violence Safety Net 	Debates, essay writing(not more than 250 words) (suggested topics provided in Annexure 1) <u>Reference:</u> 1.AEP Training Manual, p. 85-87& p. 98-100 (Module -6,Activity-1) 2.Kamla Bhasin and VandanaBist, Book 2: <i>Kishoravastha se doosrimulakat</i> 3.NCERT Guidelines on <i>Adolescence Education in Schools: A package of basic materials</i> may retrieved http://www.aeparc.org/node/2410
Nutrition	October 2017	Sub-topics to include: <ul style="list-style-type: none"> The connection between eating healthy and looking good Myths related to ideal body size and weight How to prevent anaemia Good eating habits 	Slogan writing Development of healthy menus for different meals <u>Reference:</u> 1.AEP Training Manual, p.63 & 64 (Module-4), p. 77-78 (Fact sheet)
Prevention of Substance Misuse	November 2017	Sub-topics to include: <ul style="list-style-type: none"> Reasons for increased vulnerability of young people to substance misuse Prevention of substance misuse Consequences of substance misuse 	Posters/ Comics (suggested topics provided in Annexure 2) <u>Reference:</u> 1.AEP Training Manual, p. 132-133, 137-138, 140-142 2. KamlaBhasin and VandanaBist, Book 4: <i>Kishoravastha se chauthimulakat</i> 3.NCERT Guidelines on <i>Adolescence Education in Schools: A package of basic materials</i> may retrieved http://www.aeparc.org/node/2410
Prevention of HIV/AIDS	December 2017	Sub-topics to include: <ul style="list-style-type: none"> Modes of HIV transmission Means of prevention Zero stigmatization 	Role Play <u>Reference:</u> 1.AEP Training Manual, p. 168,176-177

Guidelines for organising activities:**1. Integrating AEP themes in the Morning Assembly**

All schools have the provision of a morning assembly. It is suggested that once in every month, AEP theme-based assembly is organized in every school participating in the AEP. Besides the themes, certain sub-topics have also been suggested to enable the nodal teacher and peer educators to prepare for the morning assembly. The peer educators-teacher team could also include additional sub-topics that are relevant for their school. Peer educators may also want to share certain experiences in the assembly that are relevant to the theme of the month. Most importantly, it is left to the imagination of the peer educators to organize this morning assembly with the help of their teachers. Given the time constraint during the morning assembly, it is expected that inclusion of a particular theme in the assembly will not take more than 7-10 minutes. In order to have enhanced participation of students, the themes introduced in the morning assembly may be followed by school based activities on the same day. The trained nodal teacher may inform and consult Principal for inclusion of themes in the school time table, so that peer educators and teachers know ahead of time the day on which a particular theme has to be included in the morning assembly and can prepare for it.

2. Organizing theme-based activities in the school

As a follow up of addressing a particular theme in the morning assembly, it will be important to organise relevant activities that further engage the students and help them in internalising the key learning. A set of theme-based activities and basic reference documents have been suggested in the table above. Teachers' especially nodal teachers will have to take the lead in organising these activities and peer educators can play an important role in setting up the activity. For example, make posters that announce these activities (date, time and themes) and display them in different parts of the school to encourage participation, set up a classroom or the conference room for organising debates or poster making etc. Suggested guidelines have been provided. Teachers may need to provide more detailed and specific information ahead of time so that all students know about the event and can prepare to participate in it. Announcing a particular activity ahead of time and providing necessary guidelines for participation will encourage student participation in large numbers. At the end, it is essential to synthesise learning and key take home messages.

Other value added activities:

Question Box is a meaningful activity that enables students to seek clarifications anonymously. It can also be used as a tool to get feedback on different activities organized under AEP. For planning the question box activity, please refer to *AEP Training Manual, p. 191* (Module 15, Activity 1)

Social Action Project: The school may identify a particular action project, for example, zero tolerance for bullying or zero tolerance for substance misuse and implement it.

Explanation of Selected Activities and Guidelines for Organizing the activities:**Role Play:**

Role play is an activity presenting a short (5-7 minutes) spontaneous play which describes plausible real life situations around a designated theme. In this activity, participants play the role of an assigned character. Oftentimes, role play exposes students to a situation that they have not yet faced in their real life. It provides them an opportunity to apply learning to a real life situation and deal with it in a positive and responsible manner. As an educational activity it provides opportunities to students for a truly experiential learning. It is different from the one-act-play, as role play is conducted without any script or

costumes etc that are needed in a one-act-play.

Planning

- For each situation 4-5 students, boys/girls should be identified to constitute a group for enacting the role play. The selection should not appear to be discriminatory in any way.
- Specific theme may be assigned to each member of that group. Their respective roles may be explained properly. Each one of them must know and understand the specific ideas that he/she has to express while playing the assigned role.
- When the teacher is assigning students their respective roles, he/she should make it clear to each one of them that while attitudes of all the characters are already defined, they should expand on their respective roles. There will not be any written script on different roles.
- Students should be given appropriate time to be well prepared with their respective roles.
- Once all the members of the group have played their respective roles, the observers may be requested to discuss the points made by different characters.
- At the end, it is essential to synthesise the learning and key take home messages.

Poster:

An artistic work, often a representation of original ideas in the form of painting or photograph, printed on a sheet of paper conveying some important issues, ideas or information.

Planning:

- One student can submit only one entry.
- Decide a date as per time schedule in this scheme on which the event may be held.
- The teacher may discuss for about 15 minutes with the group/groups about the theme/themes selected for the competition. Preferably the talk may be aided with some visual materials.
- The student/s participating in poster making may be positioned comfortably with sufficient space to sit. The surface should be smooth and there should be sufficient light for clear visibility. It should be ensured that the participating students are not be disturbed by other students, teachers, parents and others who will constitute the audience.
- The posters should be displayed for the audience and participants.
- At the end, it is essential to synthesis learning and key take home messages.

Debate:

Debate is an interesting activity for discussing controversial issues. In a debate, the pros and cons of an issue are presented. It provides a setting for individuals to be logical in verbal communication and helps them in taking rational position on any issue. Debate is useful when an attempt is made to explore a topic or an issue from more than one point of view. The issue to be debated should have more than one dimension that can be argued for and against by the participants. The process of the activity helps them appreciate different dimensions of the issue, and leads them to acquire thinking and communication skills.

Planning

- This activity may be organized for all the adolescent students of classes VII to XII in the school.
- Although the number of students in the debating teams may be limited, the debate should be organized in front of as many students as possible.
- The activity should be organized by a small group consisting of trained teachers and peer

educators. Additional students may be identified if needed.

- With a view to encourage more student participation, some of them may be identified and assigned different roles, e.g., for introducing the topic, participating teams and panel of judges, giving information about criteria for evaluation, summarizing the activity and proposing vote of thanks.
- Teachers should help students collect materials on identified topic(s) from various sources and prepare points for the debate. In the process students are expected to gather, analyse and interpret information, examine alternatives and seek reasons.
- At the end, it is essential to synthesise learning and key take home messages.

1: Challenging gender stereotypes

- Good looks vs. inner beauty: What does our society value?
- We respect men who respect women.
- Youth have a voice: Stop violence against women and girls at home and outside
- Women's independence is restricted with an intention to protect them. What is your opinion on this statement?
- Dowry – is it really such a big deal?
- Housework is a shared responsibility
- Girls should grow up equal
- There is only misery associated in being born a woman! What is your opinion on this statement?

2: Prevention of Substance Misuse

- Role of community in prevention of substance abuse.
- I say NO to drugs and lead by example.
- An addict is not a criminal but is criminalized.
- Role of media and government in stopping drug abuse.
- Media glamorizes cigarette/ alcohol and underplays harmful effects of these substances.
- Safeguard against HIV: Say 'no' to drugs.
- Thrive on the permanent 'high' of good deeds
- I experimented with drugs to be 'cool' but very soon I became a 'perfect fool'
- Addiction to drugs can ruin a young person's potential.

27. DEVELOPING COMMUNICATION SKILLS:

Developing English communication skills in the students of JNV has always been a challenge. The new entrants at class VI generally have very low language competence. To make the situation worse, the learners have different levels of competence depending on the schooling background and the individual capacity of the learners. On the first day the teacher faces a heterogeneous group of predominantly low competence language learners and language teaching begins with a note of despair. And yet, it is a fact that in the months and years to come the desperate efforts of the teachers are amply rewarded when they find many of the students communicating well

in English, and quite a few of them very effectively. At the initial stages, in classes VI to VIII the schools have young learners who are at the stage of language acquisition, when skills of oral communication in a language is believed to be spontaneously acquired by the learner if sufficient exposure is provided. At the higher level, from classes IX to XII the learners become comparatively mature in terms of language competence and mental age. They have to make conscious effort for learning higher levels of written and oral communication skills. In order to overcome the difficulties of this typical language learning situation there has to be different strategies/ approaches for developing communication skills at these two different levels.

At the initial stage (Class VI – VIII)	
Competence at the entry level	Competence at the terminal level
L: Letters of the alphabet, numbers, a few words	L: Word, connected speech in day to day use Prose passages on familiar subjects
S: Same as L	S: Approx. 500 words and 20 structures.
R: Alphabets, words of 3 to 4 letters. Short sentences of a few words	R: Words & passages on familiar topics, stories, contents in other subjects
W: Same as R	W: Correct sentences, short paragraphs on know topics, notes/ question & answer in other school subjects

The requirement at this stage is to create an “acquisition like situation”. It is a situation, in which the learner regularly listens to the target language being used in a real life situation for a considerable period of time, and he/she is compelled to speak the target language since he/ she gets response from the other members in the target language only. In order to create the acquisition like situation the Vidyalaya may take up the following measures:-

- (i) Only English is spoken in the academic block. (Assigning certain days for speaking English has not been found very effective). The whole team of teachers will have to resolve to speak English only in the academic block.
- (ii) In order that students get the facility to listen to a standard English speech (including word stress and intonation) the English teacher in particular and teachers in general have to cultivate good spoken English.
- (iii) Teaching in class rooms and particularly in the language class room must be interactive. If the teaching is lecture based (as it generally is) one way traffic, the learners will get least chance of speaking and the language competence acquired through listening, speaking and writing will remain dormant at the competence level and will not surface at the performance level.
- (iv) In order to make the learners aware of the distinct English speech sounds and prosodic features (stress, intonation, pause rhythm etc) at the initial stage, the new entrants should be taught to sing nursery rhymes with proper articulation of English speech sounds, word stress and intonation.
- (v) Language games involving simple basic skills of oral communication, like picture description, pick and speak; role play in a given situation (customer at a shop, passenger at a railway station, man at a post office etc) should be played in the class room. The teacher should not insist on correctness but should encourage uninhibited, stress free oral communication.
- (vi) Basic reading and writing skills are also to be introduced and practiced at this stage. Words in isolation and short sentences should be read out by the teacher and the students should be asked to repeat the model reading. Since many new entrants are able to write just the alphabets, and even less, they should be given practice in handwriting in the four line English handwriting note books. They should practice cursive writing with proper use of capital letters

and punctuation marks.

- (vii) The learners should also be made to listen to recorded model speech in way of news reading, storytelling or other recorded material in the language laboratory; although live models (teachers) are always better, provided the teacher herself regularly practices model reading/speech.
- (viii) The language teacher has to realize and appreciate that her charge has to overcome an almost insurmountable communication barrier to communicate with her teachers and peers in English. Hence the teacher has to make a conscious effort to cautiously bring herself down to the level of the child. He/ she should consciously use a warm and inviting body language; should be playful and indulgent with the children (without compromising with discipline, of course) in order to help them overcome inhibitions, hesitation and poor level of language competence and open up and communicate (listen and speak) in English.
- (ix) The course material, i. e. the text books and workbooks should be used as a pretext for practicing oral communication, and the teaching method has to be interactive.
- (x) Communication skills of the learners who had an English medium background, before joining the Vidyalaya may be cleverly utilized for leading peer group communication and conducting language games so that being in a group of lower level of language competence they do not get de motivated.

At the initial stage (Class IX-XII)	
Competence at the entry level	Competence at the terminal level
L: Word, connected speech in day to day use. Prose passages on familiar subjects.	L: Listen to and understand normal speech on general topics/radio and TV news.
S: Approx. 500 words and 20 structures.	S: To communicate normally for day to needs. To be able to participate in discussion in peer groups
R: Words & passages on familiar topics,	R: Silent fast reading with comprehension. Read aloud with proper articulation of phonemes, word stress, intonation and pause.
W: Correct sentences, short paragraphs on known topics, notes/ question & answer in other school subjects.	W: To write correct sentences, with the competence to use 1500 words and 50 structures. Composition of essays in paragraphs, writing notes, reports, letters etc.

Language teaching strategy at the higher level

- (i) Class room teaching has to be interactive (the point is deliberately repeated) with a view to providing the learners the opportunity to participate in discussion and communicate ideas effectively.
- (ii) The language laboratory may be used to further exercise listening skill with the help of recorded speech in Indian and British variations. Teachers may diagnose and rectify mother tongue influence in the speech of the students.
- (iii) Maximum possible opportunity is to be provided to the learners to speak English in various contexts and situations. For these activities like group discussion, seminar, declamation, debate and extempore speech etc have to be organized. The morning assembly activities give good practice in news reading, conducting quiz and delivering short lectures.
- (iv) English course material may be properly used for developing both silent and loud

reading skills. The Reader should be used for loud reading. The teacher himself should face the class after rehearsing loud reading with correct pronunciation of words, word stress, pause and intonation. The supplementary reader should be used for practicing the skill of silent and fast reading with comprehension.

- (v) Students should be encouraged to read simplified, abridged story books/ classics and comics graded for each class. Such reading materials are available in the market, published by various publishers. The language teachers, the librarian and the Principal have to ensure that such reading materials are available in the library and the learners are guided to read books of the grade suitable for him/her.
- (vi) Vocabulary is the building block of a language. But vocabulary should not be taught indiscriminately by rote learning. The teacher should identify words which will be in the active vocabulary (know and use the word actively), passive vocabulary (know the meaning of the word when it is used, but may not be actively used by the learner himself) and adhoc vocabulary (know the meaning of the word for one time passive use only) of the student and need not insist on the student's mugging up the meaning of all words. Besides, vocabulary should not be taught in isolation; it must be taught in context.
- (vii) While teaching the Reader (for detailed study), it is expected that all important components like vocabulary, structures, idioms etc are explained and drilled and the content is analyzed thread bare. The learner has to master local, global and inferential comprehension. While reading the supplementary reader, the students are to be assisted to read by themselves, fast and silently. The aim is not mastering the language components but to comprehend the passage globally and enjoy independent reading.
- (viii) Writing is the highest of all the four language skills. While training/developing communication skill of students, writing skill has to be integrated with all the other four skills. In higher classes care has to be taken to ensure that the students write correct English in terms of spelling and syntax. Teaching of grammar as a subject in itself is not required. In place of learning definitions and rules of grammar it is more useful to practice functional grammar and usage. Written composition may be strengthened by practicing exercises in transformation of sentences, narration, use of modal auxiliaries, voice etc. through which the learners get ample opportunity to compose sentences creatively and correctly. In longer compositions, together with correctness attention has to be paid to coherence and lucidity. Students should be guided to use familiar words and sentence structures. Use of unfamiliar vocabulary and uncertain syntax for the sake of style will end up as a botched piece of composition.

And finally a word for English language teachers. If language teaching techniques are cultivated and applied creatively to develop communication skills in the young learners, language teaching can be a great fun and a rewarding experience. In order to meet this professional challenge one has to keep "sharpening one's saw" by keeping track with the latest developments in this field. It is suggested that the language teachers use the following two books as their professional handbooks:-

- (1) Better English Pronunciation (by J D O'Connor)**
- (2) English Pronouncing Dictionary (by Daniel Jones)**

28. ACTIVITIES TO ENHANCE CREATIVE AND CRITICAL THINKING SKILLS:

Games and puzzles have an inherent appeal to most people, but especially children and teenagers. By implementing them in JNVs in our daily teaching-learning arena, teachers can sharpen students' critical and creative thinking and problem-solving skills. How can students own their learning with critical thinking activities they will really love? Allowing our students to take stands on issues that matter to them engages the classroom in a way that fosters great critical thinking. Emphasis should be on Investigative and Collaborative Learning. Who? What? Why? Where? and When? can relate the ideas and exercise personal self-reflection for doing the things in a different way under the guidance of teacher being a facilitator.

Puzzles can also be used to help reinforce skills in subject areas such as English language, Arts, Mathematics, Science, and Social Studies. Crossword puzzles are especially helpful with vocabulary retention for any subject. Therefore, crossword puzzles will be immensely useful to our Navodaya Students, who are non-native English speakers, as they try to retain new words in a different language.

A Crossword puzzle consisting of a grid of squares and blanks into which words crossing vertically and horizontally are written according to clues. Collection of free printable crossword puzzles for kids is an easy and fun way for children and students of all ages to become familiar with a subject or just to enjoy themselves and keeping their mind agile. Learning doesn't have to be all crunching numbers and flashcards. We have to inject some fun into study time with framing or collection of crossword puzzles for students. These wordy worksheets challenge young learners with vocabulary and spelling in an appealing game-like format.

Providing definitions in the crossword puzzle format challenges students to explore past experiences, recall recently learned information, and manipulate vocabularies to find the right word. The process of filling in a crossword puzzle encourages independence, creativity, and active engagement. Here are a few key elements for our teachers to consider when designing their own crossword puzzles for the classroom:

Use one word answers. Trying to squeeze multiple words into one answer can be tough. So if you're trying to get students to fill in "Pythagorean theorem," just use "Pythagorean" as the answer, and use this as the hint: "This theorem: $a^2 + b^2 = c^2$."

Try to compile words that make sense together. It is tougher to remember unrelated elements than it is to remember a group of somewhat similar elements. For example, with ELL/ESL students, try creating different puzzles with only food words, or just action verbs, or only months of the year.

Provide adequate and concise hints. If you use similar vocabulary words, it's easy to confuse students with vague hints that could relate to more than one word. Therefore, use keywords in your hints that relate to only one answer.

Have students create their own crossword puzzle. This is a more engaging task than simply filling in the answers to a premade puzzle, and promotes creativity and critical thinking skills.

29. COMPUTER EDUCATION PROGRAMME (C.E.P.):

“Knowledge is constructed in the mind of the learner”

Computers are transforming communications and the economy, and every child should be exposed to this technology to understand the significance of this technology. The aim of CEP is- every student should know how to use a computer and the Internet, understand how a computer works, have some grasp of how to find information on the Internet, and generally know how computers are used by the businesses, the government, educational institutions and people in their homes.

The introduction of CEP into the classroom has the potential to transform many people's traditional way of thinking about education. Education is no longer seen as the teacher transmitting knowledge to the pupils. Computers in the classroom may have played a role in changing this view.

CEP can advance high order thinking skills such as comprehension, reasoning, problem-solving and creative thinking and enhance employability relatively complex cognitive performances, the ultimate purpose of which is not efficient use of memory but problem solving". These cognitive performances can include critical thinking (evaluative skills, broadly defined); problem solving (finding and solving a problem through analysis, synthesis and evaluation); meta-cognition (an awareness of one's own thought processes and the skills used in these thought processes)

CEP aims to train students in skills which they will need in further education and ongoing learning throughout the rest of their lives and for their future jobs, e.g. word processing, computer programming.

At a bare minimum, students should know how to type, how to use a word processor, how to "drive" an operating system and how to navigate the Internet In order to equip pupils with the technological skills to make a significant contribution in an ICT rich world, careful consideration should be given to how to integrate computers into teaching and learning. The following guidelines may be implemented with regards to CEP:

- Appointment of qualified FCSA & PGT (Comp.Sc) is to be ensured as per the guidelines of NVS.
- AMC to be arranged for proper maintenance of computers and their peripherals.
- Through the PGT (Comp. Sci.) and FCSA, arrangement is to be made to train the staff so that the trained staff members can ensure effective implementation of CEP.
- Proper record of parts required/ replaced is to be maintained to ensure the quality service.
- All relevant software should be made available.
- Any defect in the system should be repaired immediately through AMC.
- Anti-virus is to be installed in all the systems.
- Whenever the students browse internet, proper watch is needed to avoid misuse of the facilities. Use the Firewall system.
- Computers are to be put for optimum use. Arrangement also to be made to have practical classes in the afternoon in a planned manner so that the students are benefited more.
- Cleanliness is to be ensured in the computer lab.
- LCD projector to be fitted permanently in the lab and smart room.
- LAN is to be ensured to share the resources
- Configuration of the computers may be updated to keep pace with the advancement in the field of computer education.
- Decorate the computer lab by using the handmade charts related to the Information Technology.
- Notice Board of computer Lab should have the list of useful websites, Lab Time Table, Computer teachers' time table, Rules of Lab and explanation of one latest Technical term (weekly).

- Subscribe the monthly Computer magazine.

30. ICT in JNVs:

- ✚ Both theory and practicals are to be concentrated together so that the concept studied in theory may be reinforced while practicing in the lab.
- ✚ All the teachers are to be trained to handle the systems at the school level itself by the computer faculty. If any staff member is not yet trained in effective handling of the computers, the principal of the concerned school should make arrangements for their training without affecting the academic activities of the Vidyalaya.
- ✚ At least 40 to 50% of relevant topics in each subject to be integrated with ICT.
- ✚ Teachers should be encouraged to develop their own e-lessons instead of using the readymade CDs commercially available.
- ✚ E-lessons/contents developed by the teachers are to be arranged topic-wise- class-wise and should be shared with other rogramme through subject wise blogs.
- ✚ Make the separate time table for e-classes of each class by all the teachers and it should be incorporate into the main Time Table.
- ✚ Arrangement to be made to have computer clubs by involving the interested staff and students to encourage creativity.
- ✚ At least two periods for each subject in each class are to be earmarked for ICT. The same is to be mentioned in the time-table to have proper planning.
- ✚ Competitions related to ICT are to be regularly conducted and winners are to be suitably rewarded so that the same will motivate others. Further, the students and staff are to be motivated to participate in different competitions which are being conducted at State/National/International levels.
- ✚ World Computer Literacy Day to be observed on 2nd December.
- ✚ Facilities available in JNVs are to be used to the optimum level, which includes LCD projectors and Laptop. Laptop is to be made available to all the staff for the implementation of ICT.
- ✚ Equipped the Resource room/Computer Lab by LCD Projector with screen, Interactive Board/White Board, Laptop, Sound system and Mic.
- ✚ Arrange the CDs of e-contents in the Library.
- ✚ Students and staff are to be exposed to online educational website to improve the quality of teaching-learning process.
- ✚ Special mention of the contribution of teachers related to ICT is to be mentioned in ACR of the concerned teacher.
- ✚ Workshops and seminars are to be organized by inviting renowned resource persons from outside.
- ✚ For all the classes, split-up syllabus is to be strictly followed and Test/examination is to be conducted like other subjects.

31. SMART CLASSROOMS:

Smart Classroom project has been initiated in Navodaya Vidyalayas as a part of Samsung Company's CSR initiative of giving back to the community. This project will help in bridging the Distal Divide in the country and in improving the quality of education in Govt. Schools. This Samsung Smart Classroom project will help the teacher and student to enhance the quality of education, to instil the habit of e-learning and making the learning experience engaging and interesting with multimedia.

✚ Roles and responsibilities:

- Teachers to teach students as per the curriculum.

- Access www.smartlearning.in or other digital educational content to provide digital education.
- Prepare digital content and educational material.
- Guide students on internet access.
- Regular and efficient usage of Smart Classroom.
- Ensure quarterly feedback from students and share feedback.
- Assign responsibility to a teacher for smooth operation of Smart Classroom.

The feedback report in the prescribed format should be sent to the Samsung India by the concerned JNV on the 10th of every month without fail.

Annexure-I

JAWAHAR NAVODAYA VIDYALAYA,

DISTRICT.....STATE.....

REPORT OF UTILISATION OF SMART CLASS ROOM FOR THE MONTH OF.....2017-18

(TO BE FORWARDED TO NVS(RO) EVERY MONTH)

S.N.	Name of the teacher and Designation	Class	No. of Students	Subject Taught	Topic(s) taught	No. of periods in the month	Source of information (WEBSITE DETAILS)	Remarks
1		VI						
		VII						
		VIII						
		IX						
		X						
		XI						
		XII						
2		VI						
		VII						
		VIII						
		IX						
		X						
		XI						
		XII						
3		VI						
		VII						
		VIII						
		IX						
		X						
		XI						
		XII						

Annexure-II**Navodaya Vidyalaya Samiti**

Region.....

Report of utilization of Smart Class Room for the month of.... 2017-18

(To be forwarded to dcacadnvs@gmail.com & jayakumar.v@samsung.com)

S. No.	Name of the Navodaya School	No. of Children	No. of periods	Remarks
	Total			

Certified that Smart Class Room in the above mentioned JNVs has been used effectively for teaching English, Maths, Social Science and Science. As per the direction of NVS Hqrs. letter bearing no.
Dated..... The e-content was downloaded from different websites and used for effective class room transaction.

(Signature & Seal)
Dy. Commissioner

32. USAGE OF INTERNET AND CREATING WEBSITE:

- ❖ Arrangement is to be made to have broadband connectivity.
- ❖ To make the communication faster and to reduce the paper work, correspondence is to be done mostly through email.
- ❖ Increase the Use of cloud computing/file sharing concept like Google Drive.
- ❖ By providing internet facility to all the systems, students are to be guided and supervised properly to surf the website and also to download the required information and misuse of facility should be avoided.
- ❖ A record of the usage of internet facility by the students in the computer lab is to be maintained to have a proper check.
- ❖ Information bulletin is to be arranged in every JNV, where a display of information about career opportunities may be made after downloading the same from different websites. A responsible teacher is to be made in charge of the same and he/she has to assist the students to apply for different courses by considering the residential nature of JNVs.
- ❖ Arrangement also to be made available for video conferencing by downloading necessary software.
- ❖ Maintain the record of school website renewal and password, email password and other important e-documents.
- ❖ Take the data Backup of all the important data regularly.
- ❖ Spread knowledge of Cloud Based Technologies and utilization of the features of cloud available.

- ❖ Knowledge of Cyber Law and Cyber Crime and Cyber Securities to be given to the students and staff to stop the cyber victimization.

CREATING WEBSITE:

- ❖ There is a need to have own website for every JNV in which all the information about the JNV including the achievements may be posted.
- ❖ **The information displayed in the website is to be periodically updated by forming a committee of staff so that anyone who wants to know about the JNV can collect the information conveniently.**
- ❖ If technical experts are not available in the JNV, along with AMC for computers, arrangement for updating the website may also be made.
- ❖ Information like innovative practices followed by the staff, creative work of staff and students, achievements and present placements of alumni, achievement of existing students, etc are to be compiled, properly scrutinized and to be displayed only with the approval of the Committee/Principal
- ❖ Efforts are to be made to have the information both in English and Hindi.
- ❖ Link of 'Google Map of Vidyalaya' should be in the 'contact us' section of school website.
- ❖ Tag the Vidyalaya on Google Map.
- ❖ Create the channel of programme on youtube and update the activities on it regularly.
- ❖ **Creation of Programme Blog and monitoring of the same to develop 21st century skills among students and teachers.**

33. BROAD BAND:

As suggested by Department of Computer Education and Technological Aids, NCERT, JNVs are required to go for 5 mbps connection, expandable to 10 mbps bandwidth for installation of 50 to 60 Computers. A server and a firewall (hardware based) will also be required to manage and distribute the bandwidth across the LAN.

34. PROMOTION AND DEVELOPMENT OF SCIENTIFIC TEMPERAMENT:

Inculcation of the scientific spirit and the promotion of scientific temper among the students of JNVs and to nurture their **creativity, innovation, research, critical thinking, creative thinking, scientific aptitude, etc.**, the following suggestive activities to be taken up during the academic year 2017-18:

- ❖ Organization of Regional Level Science Congress as decided by the Regional Office.
- ❖ To conduct Math's and Science Olympiad at Regional/National Level through various agencies and by NVS for Junior/Senior classes.
- ❖ Organization of exhibitions, seminars, quiz at cluster level, Regional etc. to motivate the students of JNVs.
- ❖ Visit of various laboratories, industries, science museum, etc. for developing scientific spirit.
- ❖ To introduce new learning capabilities. This requires identifying and providing environment to the children to develop communication skills, comprehensive skills, understanding abilities, etc.
- ❖ Designing instructions that results in the learning of functions, not just structure. The curriculum and related pedagogical practices incorporate the motivation of using what is learnt.
- ❖ To ensure attentiveness of the students to achieve effective performance. It includes ensuring the children to work at optimum levels behave well and engage in well being practices. Teachers and supervisors perform accurate teaching and supervisory functions, which is productive and functional.
- ❖ Enrichment of laboratories with adequate equipments, apparatus, chemicals, etc. and to conduct the practical regularly.
- ❖ Establishment of junior Science and Math's labs.

- ❖ Establishment of Science and Math's clubs.
- ❖ Any other activity related to promotion of scientific spirit.

35. RASHTRIYA AVISHKAR ABHIYAN (RAA)

In pursuance of the focus on connecting school based knowledge to life outside the school and making learning of Science & Mathematics a joyful and meaningful activity as well as to bring focus on innovation and use of technology, the Ministry of Human Resource Development has set up the Rashtriya Avishkar Abhiyan(RAA) – a convergent frame work that aims at nurturing a spirit of inquiry and creativity, love for Science and Mathematics and effective use of technology amongst children and encourage those who show an inclination and talent for these subjects, to be encouraged and supported to heights of academic excellence and research.

Aim

While emphasising the primacy of the schools and classroom transactions, the RAA aims to leverage the potential for Science, Mathematics and Technology learning in non-classroom settings. Beyond the four walls of a classroom, opportunities for Science, Mathematics and Technology learning abound.

Objectives

- To enable children to become motivated and engaged in Science, Mathematics and Technology(SMT) through observation, experimentation, inference drawing, model making, rational reasoning, testability etc.
- To create curiosity, excitement and exploration among school children in Science, Mathematics and Technology.
- To create a culture of thinking, inventing, tinkering and doing to promote enquiry based learning in schools.
- To achieve learning levels, appropriate to the class of study in Science and Mathematics.
- To encourage and nurture schools to be incubators of Innovation.

Accordingly with reference to NVS Hqrs letter dated 08.09.15 & 08.12.15, 10% of JNVs under each RO, have been and covered for the session 2015-16 under Rashtriya Avishkar Abhiyan. It has been decided that these selected JNVs will continue to be linked with Higher Institutions and conduct activities as suggestion in the academic session 2017-18 also.

The Suggested list of activities under Rashtriya Avishkar Abhiyan are given below:

A. Effective Classroom Transaction & Assessment

1. Engagement with every child
2. Hands on-Activity based learning (tod phod jod)
3. Problem Solving
4. Modelling
5. Experimentation & Demonstration
6. Self learning
7. Peer to peer collaborative learning
8. Use of Online resources (in local language)
9. Culture of Beyond Text books and inquiry based learning

B. Nurturing Student Clubs and Competition

1. Science & Mathematics & Technology Clubs for children
2. Mentoring by HEI and Graduate Students at School
3. Visit to Science Museums / Innovation Hubs / Industry
4. Activities/Contests on contemporary scientific events
5. Internship at Mentoring Institutions (HEI)
6. National Children's Science Congress
7. Competitions and Olympiads
8. DST INSPIRE
9. Incubation of Student innovations etc.

C. Teacher Support Systems

1. Capacity building-Pre- & In-Service Training
2. Filling up of Science & Maths Teacher Vacancies
3. Teacher Circles for peer learning
4. Mentoring by Higher Education Institutions (HEI)
5. Opportunity for Demonstration, practice and reflection
6. Academic support through BRP & CRPs
7. Membership in State / National Teachers Science & Mathematics Congress /Associations

D. Strengthening School Science & Maths Facility

1. Science & Math Laboratories with kits
2. Teaching-learning equipments, Models, books
3. Provision and access of Technology
4. Mentoring by HEI/ Industry

E. Community sensitization Engagement

1. Promotional communication strategy to sensitization society on Science and Mathematics education
2. Community-Scientist interactions
3. Engagement in Classroom teaching
4. Invitation/ Participation in Science activities of schools

36. SCIENCE CONGRESS:

Science congress provides a forum for young talented students to inculcate scientific spirit and promote scientific temper among them & to nurture their creativity & scientific aptitude. To fine tune the smooth and timely conduct of The Science Congress, following suggestions are put forward tentatively:

- Selection of suitable venue, keeping in view resources available, for the conduct of science congress from 14th to 19th Nov. 2017. It is proposed to have venues other than Navodaya Vidyalayas like Vigyan Parsar Bharti, IIT's or other such Science Institutes may be approached for this purpose to give students wider exposure.
- Arrangements can be made for Tele-conference and E-Lectures by eminent scientists and professors from leading & renowned Universities, Science Institutes to make the scope of the event wider and more meaningful.
- Identification of deserving meritorious students, experienced teachers, and venue Vidyalaya and informing them well in time about the date, time & venue and other necessary arrangements & formalities.
- Students participating in the congress may be presented with science kits, Books on Scientific Inventions or other inspiring & creative items. As to nurture them as goodwill messengers & knowledge providers inspiring others & sharing their experience.

- It is proposed that a balanced slot schedule in the ratio of 80:20 for practical on-hand experience/activities and theoretical lectures respectively be planned and prepared.
- Special slots can be framed to cover the topics of science is spirituality; Vedic Mathematics; Science in Indian scriptures & culture; science vs superstition; harmful effects of junk food, how to trace adulteration in food-items; how great scientists loved & their work ethics; career options in Science research areas etc. to make science congress embedded in real life.
- More time & space be given to Activity based integrative programs such as Debates, Quiz other simple interesting experiments and visit to various scientific institutions.
- To ensure time-bound distribution of Report/CD of the Event (covering results/findings other than the basic facts) to other JNVs.

37. 25th NATIONAL CHILDRENS' SCIENCE CONGRESS-2017

Childrens' Science Congress:

Childrens' Science Congress (CSC) is a unique programme that prompts children to think of some significant societal problem, ponder over its causes and subsequently try and solve the same using the scientific process. This involves close and keen observation, raising pertinent questions, building models, predicting solutions on the basis of a model, trying out various possible alternatives and arriving at an optimum solution using experimentation, field work, research and innovative ideas. The Childrens' Science Congress encourages a sense of discovery. It emboldens the participants to question many aspects of our progress and development and express their findings in vernacular.

THE HUMBLE BEGINNING

The primary objective was to involve children in open-ended scientific projects of relevance to the society. CSC has now become a nation-wide program coordinated by **NCSTC (National Council for Science and Technology Communication)** – network supported and catalyzed by RVPSP.

The Childrens' Science Congress (CSC), made a humble beginning in the year 1993 with joint initiatives of the NCSTC-Network and Rashtriya Vigyan Evam Prodyogiki Sanchar Parishad (RVPSP), Department of Science & Technology, Government of India. The idea of organizing CSC was inspired by the similar effort of Gwalior Science Centre, Madhya Pradesh, taken in the early nineties.

Objectives

To provide a forum to the young scientists to pursue their natural curiosity and to quench their thirst for creativity by experimenting on open-ended problems;

To make you feel that science is all around and you can gain knowledge as well as solve many problems also be relating the learning process to the physical and social environment of the neighbourhood;

To encourage children throughout the country to visualise future of the nation and help building generation of sensitive, responsible citizens;

To stimulate scientific temperament and learning the scientific methodology for observation, collection of data, experiment analysis arriving at conclusions and presenting the findings

The Philosophy

- A unique program that motivates children to take-up scientific research on local specific issues of their choice under broad themes, instead of imposing issues on them.
- A real experiment to promote methods of science with ample opportunities to encourage creativity, innovation and experiential learning.
- An activity towards promoting congenial team work, correlating science with everyday life situations.
- A potentially strong and effective movement for influencing the impressionable minds to enhance community feelings and sensitize towards societal needs.
- An event not merely for the privileged and school-going children; but even for those who are not in the formal school set-up, drop-outs, or forced to be out of the conventional mode due to poverty and disabilities.

Who is eligible to Participate

- This is a forum open to young scientists in the **age group of 10-17 years from every state. NVS is identified as a separate state and participation at national level along with other states is mandatory. National venue will be informed shortly by NCSTC.**
- There will be 2 (two) age groups. First is 10 to less than 14 years and the other is 14 to less than 17 years. To determine the age the **base will be 31st December of the calendar year.**
- NCSC is not restricted to the school-going children only but **is also open for the non-school children** from the marginalised sections of the society who can be involved as team members. Any child in the age group of 10-17 years can participate in the congress.
- A child scientist **cannot participate in the National Level CSC two times in the same age group.**

CRITERIA OF A GOOD PROJECT WORK:

- Local problem is identified and correlated with the focal theme and sub-theme.
- Work is carried out under self-explanatory title and in a well-marked local or geographical area.
- Observations are recorded in a well-maintained log book.
- Project could either be a survey or observation or experiment based or a combination of all.
- Data collected are subjected to analysis.
- Conclusions are drawn after proper analysis of data.
- Inferences are made.
- Solutions to the problem to be suggested.
- Action plan for follow-up to be devised.
- Use of living objects is restricted.

The project is documented as a report and presented orally at district, state and national levels.

How to write the Project Report:

1. The language can be in English or any other Scheduled languages.
2. The cover page of your Project Report should contain the following written clearly in English
 - o **The Title of the Project**
 - o **District and State**

- o Name of the Group Leader and Co-workers
 - o Name of the Guide Teacher
 - o Name of the Institution
3. Use A-4 size paper (8" x 11.5") for writing the report.
 4. You may use regional language to write the report but the Registration form (Form-A) must be in English.
 5. Write on one side of the paper.
 6. The report should be either neatly typed or handwritten.
 7. The word limit for the written project for the lower age group is 2500 words and for the Upper Age Group is 3500 words. The written report can be substantiated by Photographs, sketches, illustrations etc.
 8. Write an abstract of your project mainly covering objective, methodology and result. The abstract must be very brief (at least 250 words to a maximum of 300 words). The English translation of the abstract must be given if you write the report in any other language.
 9. Sketches, photographs may be used.
 10. Make at least 2 copies of project, one for submission at Registration and other for your use for presentation.
 11. The **log book** is a must, as a part of the written document since it is reflective of team work. This has to be submitted along with the report.

Note: It is to be ensured by the JNV to verify the result of the project work with the original data of the source before presenting the project for the Science Congress.

Report Content:

The content of the Report should be written systematically. The **word limit** for the project report for the **lower age group is 2500 words** and for the **Upper Age Group is 3500 words**. The written report can be substantiated by Photographs, sketches, illustrations etc. The report normally comprises of

1. Form A, Photostat copy of the Registration Form in English
2. Abstract in English (compulsory) and the language in which the project is written. This is applicable in case the Report is written in language other than English. Total number of words should be at least 250 words to a maximum of 300 words.
3. Introduction,
4. Aims and Objectives,
5. Need Statement, Why this project? (50 words only) importance of the subject.
6. Hypothesis,
7. Work Plan,
8. Methodology,
9. Observations,
10. Results,
11. Data Analysis,
12. Conclusion,
13. Inference,
14. Solution to the Problem,
15. Future Plan,
16. Acknowledgements,
17. References and
18. Appendix (if needed)

Oral presentation

- Time- 8 min
- 4 poster (55 cm x 70 cm (21.6" x 27.5") drawing sheets) is mandatory

- As per requirement PPT can be used
- To be covered in the poster:
 - (1) The project title, (2) Names of the group members, (3) Objectives, (4) Map of the area, (5) Methodology, (6) Results, (7) Conclusion, (8) Solution to the problem.
- Depending upon the nature of the project the poster may or may not have a map and/or results.

Evaluation Criteria

- Originality of idea and concept
- Relevance of the project to the theme
- Scientific understanding of the issue
- Data collection
- Analysis
- Experimentation/Scientific study/validation
- Interpretation and Problem solving attempt
- Team work
- Background correction (Only for District level)
- Report and Presentation
- Follow up Action Plan (Only for State and National levels)
- Improvement from the previous level (Only for State and National levels)

Role of Academic Coordinators

- Identification of subject experts as RP
- Developing Activity Guidebook at local languages

Sl. No.	Criteria	Max. Marks	Written Report	Oral Presentation	Total
1.	Originality of idea	10			
2.	Relevance of the project to	10			
3.	Understanding of the issue	15			
4.	Data collection & analysis	15			
5.	Experimentation/validation	10			
6.	Interpretation and Problem	10			
7.	Team work	10			
8.	Background correction	10			
9.	Oral presentation/ written	10			
	Total:	100			

- Identification of Evaluators
- Conducting training of District level RP
- Training for teacher guide
- Conducting and coordinating mentoring after district/state level
- Keeping all documents of academic exercises and reporting as per formats

• **Levels of Participation: NVS is identified as a separate state:**

The CSC projects start at the Cluster Level CSC where children can register and present their projects. On the basis of merit, projects are selected from the Cluster level to the Regional level and then to the National level, which is held every year from 27-31 December.

Focal Theme: Science, Technology & Innovation for Sustainable Development

Sub Theme: Sustainable Development in

1. Natural Resource Management
2. Food and Agriculture
3. Energy
4. Health, Hygiene and Nutrition
5. Life style and Livelihoods
6. Disaster Management
7. Traditional Knowledge System

Detailed brochure along with activity schedule will be circulated separately.

Form-A

REGISTRATION FORM

District:

State:

Particulars of Team Leader:

1. Name:
2. Date of Birth:
3. Std/Class:
4. Sex:
5. Rural/Urban:
6. Residential Address:
7. Name and Address of School: Phone No.
8. Title of the project:
9. Under the Sub-theme:
10. Language Used:
11. Particulars of the Team Members:

S.No.	Name	Address	Sex	Class	Date of Birth

12. Name and Address of the Guide with Phone No.

Signature of the Head of the Institution/
District Co-ordinator

N.B.: A copy of this completed Registration form must be enclosed with the project Report.

38. MIGRATION:

One of the objectives of the Samiti is to promote National Integration through effective implementation of its Migration Policy. The following points are suggested in this regard:

- Success of migration depends upon the social and emotional integration, hospitality and personal care towards migrated students.
- Students of Class VIII are to be encouraged to communicate with their counterparts in the linked JNV for migration by briefing about the various activities in the Vidyalaya.
- A documentary video film related to the important places in the district/state/region may be shared with the linked JNV.
- A brief note about the cultural background of the students may be forwarded to the linked JNV to have better understanding of the students.
- On any account, comments related to the background/culture/ community/caste/region should not be made by the staff and students. Principals have to ensure the same for the smooth functioning of migration scheme
- The migrated students should be provided with all the opportunities for their social and emotional integration, local exchange of culture and traditions by involving them in all the activities of the Vidyalaya like cultural shows, dance, drama, literary and club activities, games and sports, visit to historical places, festival celebrations, based on their potential, aptitude and interest etc.
- Other arrangements to be made are-
 - Timely selection of students for migration as per NVS norms in March itself
 - Proper motivation of selected students and their parents.
 - Proper reservation in respect of to and fro journey well in advance to ensure safe and comfortable journey. It should be ensured that the students reach the linked JNV on the re-opening day itself.
 - Forwarding the details of students well in advance.
 - Intimating the date and time of departure/arrival of the team to the counterpart JNV to make necessary arrangement.
 - Arrangement to be made to receive the students.
 - Providing all the necessary materials like bed, daily use items, etc., on the day of arrival and ensuring comfortable stay.
 - Organizing friendship day.
 - A briefing session by the Principal regarding do's and don'ts and safety measures to be undertaken.
 - Arrangement is also to be made to communicate with the parent JNV/parents regarding welfare of the students.
 - Text books and uniform are to be issued to the migrated students by the parent JNV.

Report on migration is to be submitted to the Regional Office within 10 days of re-opening of JNV after summer vacation.

39. MINI MIGRATION:

- To be decided well in advance on the basis of selection criteria for admission in class XI.
- Approval is to be sought from NVS R.O., before sending the students.
- Permitted, only when eligible for the stream opted by the student and parent.
- Mini-migration to other JNV to continue studies in class XI is allowed only when the concerned stream is not available in the parent JNV.
- Mini-migrated students are to be treated at par with own students by the host JNV.
- All the documents including personal file are to be forwarded by the parent JNV to the JNV where admission is confirmed.

- Movement of the student is to be intimated well in advance to arrange for comfortable accommodation.
- Host JNV (JNV where admission is sought) is fully responsible for providing textbooks, uniform, bedding items etc.
- **In order to minimize mini migration, it proposed to have second stream in Science for senior secondary classes. Depending upon the number of eligible students who opt for science stream, a second section of science stream is also allowed to start provided the Programme has no humanities/commerce/vocational streams.**

40. TRAINING:

Training is a planned process to modify attitude, knowledge or skill through learning experience to achieve effective performance is an activity or range of activities. Its purpose in the work situations is to develop the abilities of the individual and to satisfy current and future manpower needs of the organizations.

Objectives of training

In NVS the objective of training is to develop a professional, impartial and effective workforce that is responsive to needs of the stake holders. Besides emphasizing the development of proper ethics, commitment to work and empathy for all section, it needs to be ensured that all employees have the requisite knowledge, skills and attitude to effectively perform the functions, they are entrusted with.

Need of the training

Teaching, today, has become complex and challenging. These challenges emerge from the explosion of knowledge, advances in pedagogical science, changes in basic concepts in psychology, sociology, economics, changes in school curricula, changing learning behaviours of pupils and ICT based learning etc. To meet these emerging challenges, teachers need to update their knowledge & suits on a continuing basis and learn to adjust changing conditions of schools. This in turn emphasized the need of training.

Systematic approach to training (SAT) :

The Navodaya Vidyalaya Samiti makes every effort to implement systematic approach to training effectively which is illustrated below:

- I- Identification of training needs.
- N- Needs of training
- D- Design of training course
- I- Implementation of training
- A- Assessment of training.

Navodaya Vidyalaya Samiti is very particular about professional development of its employees. Therefore, a number of training courses are conducted through Navodaya Leadership Institutes, IIMs, IIPA, MDI, ISTM, RIMSE, NCERT & other agencies. During the year 2017-18 Navodaya Vidyalaya Samiti proposes to conduct a larger number of training courses for all categories of employees. The NVS plans to conduct the training courses at the following levels during the year 2017-18.

- **Training courses to be conducted by NVS Hqr. Through external agencies.**
- **Training courses to be conducted by Regional offices.**
- **Training courses to be conducted by NLIs.**

The courses to be conducted will be as follows:

1. Induction courses for newly recruited Principals & Teachers- 21 days.
2. Content enrichment training programme for teachers- 5 to 10 days.

3. Theme based workshops for teaching as well as non-teaching employees such as house system, personality development, guidance & counselling, office management, value education etc – 3 to 5 Days
4. Orientation courses on professional development for non teaching employees
5. Workshops, symposiums, seminars, conferences from time to time.
6. Outsourcing of training programmes on managerial behavioural and leadership skills at IIMs, IIP, MDI, ISTM, NCERT and other agencies.

As per NCF-2005, in service education can play a significant role in the professional growth of teachers and functions as an agent for change in school related practices. It helps teaching to gain confidence by engaging with their practices and re-affirming their experience.

CONDUCT OF TRAINING COURSES: As per the Training Schedule 2017-18 by the NVS (Hqr)

41. PACE SETTING ACTIVITIES:

One of the basic objectives of the Navodaya Vidyalaya scheme has been to enable the JNVs to play the role of a pace setting institution in the field of school education in the respective districts. The aim of the pace setting activities is to “galvanize academic, social, cultural and community oriented environment of schools” in the vicinity. By virtue of having a highly qualified and competent team of teachers, state of the art laboratories and IT infrastructure, teaching aids and sports equipment and rich libraries the JNVs are in a position to function as a “focal point for improvement in the quality of school education in general, through sharing of experience and facilities.” Though the ambit of pace setting activities is pretty vast and much of the activities will depend on the ingenuity of the Principals and their team, some activities in the major areas are suggested below:-

Academic Excellence

- Innovations and experimentations in the teaching-learning process
- Training/ workshop of teachers to adopt the latest educational technology
- Optimum use of Vidyalaya laboratories and library
- Use of Mathematics and junior science laboratories
- Use of ICT/ in class room transaction
- Effective communication and computation skills
- Counseling, career counseling and motivational sessions

Co curricular activities

- Participation of the students of the neighbouring schools in the co curricular activities of the JNV
- Competitions and exhibitions
- Programmes for the neighbouring schools on awareness of issues like conservation of nature, road safety, first aid, cleanliness, civic sense and democratic values and scientific temperament
- Scout and Guide and adventure activities
- Organizing Youth Parliament session and fine arts and performing art workshops

Community Services

- Coaching of rural children for JNVST
- Organizing immunization camps, health check up camps, first aid training camps, pollution control and cleanliness drive, literacy campaign etc
- Providing mobile library for rural learners
- Organizing awareness campaigns on health and hygiene, safe drinking water, population education, balanced diet, disaster management, RTI and consumer laws, child labour and right to education
- Organizing street plays for promotion of scientific spirit, conservation of nature and energy, water harvesting, tree plantation, family planning, education of the girl child, balanced diet and safe

drinking water, pollution control and awareness of the evils of dowry system, untouchability, female feticide, alcohol and drug addiction, gambling, illiteracy and superstition etc

- Computer literacy programme
- Vermicompost and mushroom culture under SUPW activities

The First Step to Pace Setting

Way back in the year 2002 the Samiti suggested an easy to execute and effective activity in pace setting (vide page 303 of the Compendium of Circulars: Academic). Those JNVs which have not done it yet can take the initiative *today* itself. An impressive board may be permanently fixed at the front corridor of the Vidyalaya displaying the list of **fundamental duties of citizens**. Go ahead!

42. YOGA & PHYSICAL EDUCATION:

Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body, thought and action, restrain and fulfillment, harmony between man and nature, a holistic approach to health and well being. It is not about exercise but to discover the sense of oneness with self, the world and the nature. By changing our lifestyle and creating consciousness, it can help us to deal with climate change. Physical Education activities are the basis of all progressive methods in education. Through well planned activity oriented programmes one should try to organize different physical activities like drill, marching, sports etc directed towards physical, mental, emotional, social, intellectual and moral development of the child. ***No specific game should be conducted during Morning PT which may likely to affect the performance of the child during the course of the day.*** The MOD and Staff Nurse are to be present for morning PT. PETs and students are to be in appropriate dress for PT and games. Proper time table and Sports Calendar is to be prepared and implemented in letter and spirit to engage all students both in morning & evening PT effectively based on their interest and aptitude. Record should be kept intact for inspection at any time. Training must be such that every student will have some perfection in at least in one or two areas.

MORNING ACTIVITY SCHEDULE

DAY	ACTIVITIES	
	BOYS	GIRLS
MONDAY	MASS P.T.	MASS P.T.
TUESDAY	MARCHPAST	MARCHPAST
WEDNESDAY	YOGA	CALLISTHENICS & RHYTHMIC ACTIVITES
THURSDAY	CALLISTHENICS & RHYTHMIC ACTIVITES	YOGA
FRIDAY	FUTLET TRAINING (HOPPING, JOGGING, BACKWARD RUNNING, SIDEWARD RUNNING ETC.,)	
SATURDAY	CROSS COUNTRY RUNNING (MAY BE TAKEN UP WITHIN THE CAMPUS)	

EVENING ACTIVITIES

Games: – Volley Ball, Hand Ball, Basket Ball, Kho-Kho, Kabbadi, Football, Hockey, Throw Ball, Badminton, Table Tennis etc., Recreation games for Class VI may be arranged for the first few months after their admission.

SPORTS & GAMES – TIME TABLE FOR THE YEAR 2017-2018

VI	Boys	Battery Test-Kho-Kho	Hand Ball	Kabbadi/Rope Skipping	Volley Ball	Football	Athletics/T T	Chess & Carroms
	Girls	Battery Test-Kho-Kho	Hand Ball	Athletics	Table Tennis	Kabbadi/Rope Skipping	Volley Ball	Chess & Carroms
VII	Boys	Battery Test Hand Ball	Volley Ball	Kho-Kho/Rope Skipping	Foot Ball	Athletics / TT	Kabbadi	Badminton
	Girls	Battery Test Hand Ball	Kabbadi	Badminton	Volley Ball	Kho-Kho/Rope Skipping	Chess & Carrom	Athletics / TT
VIII	Boys	Battery Test Volley Ball	Chess / Kho-Kho	TT / Hand Ball	Foot Ball	Athletics / Carrom	Badminton/Rope Skipping	Basket Ball
	Girls	Battery Test Volley Ball	Kabbadi	Athletics / Carrom	Basket Ball	Badminton/Rope Skipping	Chess / Kho-Kho	TT / Handball
IX	Boys	Athletics	Foot Ball/Rope Skipping	Hockey / Volley Ball	Cricket/ Badminton	Basket Ball	TT/ Chess / Carrom	Kabbadi / Kho-Kho
	Girls	Volley Ball	Hand Ball/Rope Skipping	Athletics	Basket Ball	Kho-Kho / Kabbadi	Badminton	TT / Chess & Carrom
X	Boys	Football/Rope Skipping	Basket Ball/ Cricket	Hockey & Carrom	Badminton & Gym	Athletics & Gym	TT / Kabbadi	Chess & Kho-Kho
	Girls	Basket Ball, TT & Carrom	Volley Ball	Kabbadi	Athletics	Badminton	Kho-Kho & Chess	Hand Ball/Rope Skipping
XI	Boys	Volley Ball	Chess & Hand Ball	Foot Ball/Rope Skipping	Carrom & Hockey	Athletics & Gym	Badminton	Cricket & TT
	Girls	Basket Ball & Carrom	Volley Ball & Chess	Badminton / TT	Hand Ball/Rope Skipping	Kabbadi	Kho-Kho	Athletics
XII	Boys	Football	Basket Ball	Hockey	Kho-Kho/Rope Skipping	Athletics / Gym	Hand Ball & Badminton	Cricket
	Girls	Badminton & Chess	Athletics / Carrom	Basket Ball / TT	Hand Ball	Volley Ball	Kho-Kho/Rope Skipping	Kabbadi

YOGA – TIME TABLE FOR THE YEAR 2017-2018

Class	April	July	Aug.	Sep.	Oct.	Dec.	Jan.	Feb.
VI	-	Padmasana, Siddhasana	BaddhaPadma sana, Parvatasana	Vajrasana, Sarvasana	Sarvangasana , Halasana	Practice In Previous Asana	Surya Namaskar	Surya Namaskar, Meditation
VII	Chakrasana, Paschimotthasana	Salabhasana, Bhujangasana	Dhanurasana, Tadasana	PurnaDhanurasa na, Konasana	Sirshasana, Kukutasana	Surya Namaskar	Surya Namaskar, Meditation	Practice In Previous Asana
VIII	Vrukshasana, Padahasthasana	Dandasana, Naukasana	Gomakrasana, Matyasana	DhyanaMuktasana, Pachimothasana	Makrasana, PawanMuktasana	Surya Namaskar	Surya Namaskar, Meditation	Practice In Previous Asana
IX	ArdhaMatyendrasa na, Garudasana	Sirshasana, Mayurasana	Kukutasana, Bakasana	Chakrasana, Sasankasana	PurnaChakrasana	Surya Namaskar	Surya Namaskar, Meditation	Practice In Previous Asana
X	MayuraPadmasana	SirshaPadmasana	SakunasanaShalbh asana	Hanumanasana, Natarajasana	Viruchikasana, Omkar Asana	Surya Namaskar	Surya Namaskar, Meditation	Practice In Previous Asana

43. YOUTH PARLIAMENT COMPETITIONS:

With a view to strengthening the roots of democracy, inculcate healthy habits of discipline, tolerance of the views of others and to enable the student community to know about the working of Parliament, Ministry of Parliamentary Affairs in consultation with NVS introduced the scheme of National Youth Parliament competition in JNVs.

Youth parliament has a special importance in developing an insight in the young students. Thus, the purpose of having Youth Parliament in NVS is:

1. To make students understand the parliamentary procedure.
2. To develop in students an insight into the working of parliament
3. To make students consider public issues and form their opinion on them.
4. To train students in the technique of group discussions.
5. To develop in them respect and tolerance for the views of others, respect for rules, and to train them in group behaviour.
6. To make students aware of various problems being faced by our society and the country.

7. To develop in students the qualities of leadership.
8. To make students understand the common man's point of view and express it in an articulated manner.

List of JNVs nominated by all Ros for programme the 21st Youth Parliament competition – 2017-18

New JNVs		Old JNVs	
BHOPAL REGION			
1.	Guna(MP)	1.	Vidisha(MP)
2.	Jabalpur(MP)	2.	Sehore(MP)
3.	Kanker(C.G)	3.	Rajnandgaon(CG)
4.	Cuttack (Odisha)	4.	Dhenkanal(Odisha)
CHANDIGARH REGION			
5.	Kinnaur(HP)	5.	Solan(HP)
6.	Mansa (PB)	6.	Amritsar-I (Pb)
7.	Udhampur-I(J&K)	7.	Jalandhar(Pb)
8.	Kargil (J&K)	8.	Jammu-I(J&K)
HYDERABAD REGION			
9.	Chickmanglore(Karnataka)	9.	Kalaburgi(Karnataka)
10.	Chittoor(A.P.)	10.	Mallapuram(Kerala)
11.	Pathanamthitta(Kerala)	11.	Prakasam-II(Andhra Pradesh)
12.	Warangal (Telengana)	12.	Vishakhapatnam(Andhra Pradesh)
JAIPUR REGION			
13.	Karnal(Haryana)	13.	Mewat(Haryana)
14.	Rewari(Haryana)	14.	Dungarpur(Rajasthan)
15.	Dausa(Rajasthan)	15.	Banswara-I(Rajasthan)
16.	Udaipur(Rajasthan)	16.	Sirohi(Rajasthan)
LUCKNOW REGION			
17.	Lucknow(UP)	17.	Auraiya (Uttar Pradesh)
18.	Moradabad(UP)	18.	Faizabad (UP)
19.	Mahoba (UP)	19.	Behraich(UP)
20.	Champawat (Uttarkhand)	20.	Raebareilly(UP)
PATNA REGION			
21.	Chatra (Jharkhand)	21.	Murshidabad(W.Bengal)
22.	Burdwan(W.Bengal)	22.	Koderma(Jharkhand)
23.	Banka(Bihar)	23.	Vaishali (Bihar)
24.	Kaimur(Bihar)	24.	Siwan (Bihar)
PUNE REGION			
25.	Satara(MS)	25.	Anand(Gujrat)
26.	Solapur(MS)	26.	Dang(Gujrat)
27.	Washim(MS)	27.	Navsari(Gujrat)
28.	Dahod(Guj.)	28.	Sangli(Maharashtra)
SHILLONG REGION			
29.	Karbi Anglong(Assam)	29.	Lohit (Ar.Pradesh)
30.	Zunheboto(Nagaland)	30.	Jorhat (Assam)
31.	Jaintia Hills(Meghalaya)	31.	Dhemaji (Assam)
32.	South Tripura(Tripura)	32.	Darrang (Ar.Pradesh)

Regional Office will identify FOUR New Vidyalayas every year in addition to the FOUR already identified Vidyalayas for the conduct of Youth Parliament competitions in the region every year. These identified 8 Vidyalayas are to conduct Youth Parliament competition for two continuous years in their respective Vidyalayas. Orientation Programmes for the teacher in-charges will be conducted as per the details given below:

S.N.	Venues & Date	Name of the Region
1.	NVS HQ(NLI), Noida(UP) 6 th -7 th April,2017	Jaipur, Patna, Lucknow & Chandigarh
2.	NLI Rangareddy(Telagana) 27 th -28 th April,2017	Pune, Hyderabad, Shillong & Bhopal

Basing on the judgment of a jury of judges at Vidyalaya level one best team will be identified at Regional level for competing at National Level. The best performed Vidyalaya at National Level competition will get an opportunity to witness the proceeding of the Parliament sessions. The best performers of the identified programme at both Regional & Nationals Levels will get Trophies and Mementoes from the Ministry of Parliamentary affairs.

Time Activity Schedule:

The following activities are to be carried out in connection with the Youth Parliament Competitions:

1. Training the students for 30 days after the orientation course – to be completed latest by 31.7.17
2. Completion of Regional Youth Parliament – to be completed on or before 31.8.17
3. Forwarding the result along with the detailed report to NVS RO by the principal – immediately after the conduct of Youth Parliament Competition.
4. NVS RO to forward the consolidated report with result to NVS HQs/Ministry of Youth Parliamentary Affairs – in the first week of September.
5. National Youth Parliament Competitions - October/November 2017.

44. ART IN EDUCATION PROGRAMME:

One of the aims of Navodaya Vidyalayas i.e. providing quality education is ensured through Art in Education Programme by linking community and the school. Art in Education Programme is being introduced in NVS w.e.f. 1993. Different facets of Traditional and Contemporary Arts of Community are introduced as a part of activities. In addition to developing values of national Integration, students are trained and taught different art forms.

Objectives of Art in Education in NVS.

- Inculcation of time tested and enduring universal values .
- Community integration through Arts.
- Exploring the community environment, local history, geography and tradition for over all social perspective and preservation of community heritage.
- Providing opportunities through Art in Education for Social and National Development in which Art Education Acts as catalyst.

Main Activities of Art In Education Workshops

- Values of National Integration and other Universal Values are inculcated amongst students through Art in Education.
- Different Performing Art traditions, painting styles, crafts and theatre in education work have been taught to students in JNVs.
- Traditional wisdom of our village societies is passed on to the students through songs, folk ballads, art and traditional theatre workshops.

- Eminent personalities from the field of literary, visual, theatre and performing arts have been involved to train the students.
- Renowned educationist and eminent personalities in public life are also associated for shaping leadership qualities.

Levels of implementing Art in Education Workshops.

- Vidyalaya level.
- Regional level.
- National level.

After training the students through experts for a period of one month, the talents are being exhibited to the public at the rogramme level. Selected teams from all the States participate in the Regional Integration Meet which is being organized every year. Approximately around 500 students participate in the regional level, cultural and literary meet called Regional Integration meet. Teams selected from all the eight regions participate in the National Integration Meet, in which cultural and literary activities are given importance. The National Integration Meet offers opportunities for cross cultural exchange to NVS students coming from different corners of India.

Theme of Art in Education Work shops.

Every year a theme related to value Education through Art is identified and workshops are arranged related to the theme.

Time Activity Schedule

Finalisation of theme	Dates will be intimated later
Identification of JNVs and resource persons for workshops	
Conduct of one month workshop	
Organisation of Regional Integration Meet	
Organisation of National Integration Meet	

45. NCC:

The main aim of introducing NCC in JNVs is to develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure and the ideals of selfless service amongst the students to create a human resource of organized, trained and motivated youth and to provide leadership in all walks of life and always available for the service of the nation. In JNVs where NCC facilities are available, a suitable environment should be created to motivate the students to take up a career in the Armed Forces. Proper safety precautions to be taken while sending the cadets to attend various NCC Camps. NCC Day should be celebrated on 4th Sunday of November every year.

All the efforts are to be made to begin NCC for both boys and girls in consultation with NCC directorate of the concerned district. On receipt of vacancy position, application form, duly filled in, is to be forwarded to NVS(HQ) for further necessary action.

All the efforts are to be made to train the cadets by CTO/ANO so that more no. of students can participate in republic day parade.

46. ACTIVITIES OF SCOUTS AND GUIDES IN NVS STATE:

Scouts and Guides movement was started by **Lord Baden Powell** and **Lady Baden Powell** at London in 1899. This movement was spread throughout the world. Scouts and Guides movement helps in instilling self confidence which are vital in developing the personality at tender age with a **Motto 'BE PREPARED'**. BS & G's of India comprise 45 states in which NVS is one of the states.

SCOUTS AND GUIDES UNIT:

1. Each JNV shall have one functional unit with 32 Scouts and 32 Guides.
2. All scouts and Guides must be provided proper uniform to get the feeling of belongingness and involvement.
3. To make the unit functional and activities conducted, each unit should have a trained Scout Master and Guide Captain. Most of the Scout Masters & Guide Captains have completed basic course and advanced course. The teachers who have completed basic course/advanced course may be given an opportunity for next course to improve their performance further which in turn improves the activity among the children.
4. The concerned NVS State Scout & Guide officials may be deputed to the Vidyalaya once in a year to supervise activities conducted in the Vidyalaya. Their suggestions will strengthen the unit.
5. Each unit should organize the activities on weekly basis under the supervision of trained teachers. In this regard Co-ordination with local association is a must as NVS is a new State. This is required for conducting camps at Vidyalaya Level.
6. The Scout Masters & Guide Captains shall maintain log books to record all activities of the Scouts & Guides i.e Programmes/Tests conducted in Pravesh, Prathama Sopan, Dwitiya Sopan and Tritiya Sopan. After completion of Tritiya Sopan Test successfully, a Certificate shall be distributed at Vidyalaya Level.[Sample Scout Test Card and Guide Test Card & Certificate of Tritiya Sopan shall be provided from NVS State which will be taken up at Vidyalaya Level].
7. Extra Funds are provided to Scout & Guide activities at unit level to conduct various activities to strengthen the unit as per the circular
8-12(2)/2012/NVS-HR (Trg)/695 dated 23.05.2011.
8. Scouts & Guides shall be provided an opportunity to participate National Adventure programmes, Pachmarhi twice in a year.
9. If qualified Scout Masters /Guide Captains are not available at Vidyalaya Level, nominate suitable teachers who will be given necessary training. Each JNV must have minimum two Scout Masters and Two Guide Captains to Train the Scouts /Guides.
10. **Order of training programmes for Scout Masters /Guide Captains:** After completion of one training minimum 6 months gap is necessary.
 - Basic Course Training
 - Advance course Training.
 - Pre-ALT(Adult Leader Trainer)
 - ALT
 - LT(Leader Trainer)
11. **Order of the training programmes for Scouts and Guides:** After completion of one training minimum 6 months gap is necessary.
 - A. Pravesh
 - B. Prathama Sopan
 - C. Dwitiya Sopan
 - D. Tritiya Sopan
 - E. Rajyapuraskar Cam
 - F. Pre-Rastrapathi Camp- by NHQs, BS & G only.
 - G. Rastrpathi Camp –by NHQs, BS & G only.

Review of scouts and guides activities:

1. **Activities at Vidyalaya Level** (As per Scout Test Card/ Guide Test Card).
2. **Strategies for Rajya Puraskar Testing Camp:**Data Base with respect to Scouts /Guides and Scouts Masters/ Guide Captains from each school shall be compiled.
After qualifying Tritiya Sopan at Vidyalaya Level, Scouts / Guides are eligible for attending Rajyapuraskar,Log Books shall be submitted at the time of Camp.

Camps can be organized in any Vidyalaya where the availability of resource persons are more.(That means HWB,ALT,LT Holders).

(Tentative months and dates decided by Regional office in Circular 8-12(1)/NVS-HR/2004-2005/7682 dated 02.03.2007.)

Minimum HWB, ALT and LT Holders are required to conduct the test.

3. Strategies for Pre-Rastrapathi Camp & Rajyapuraskar Camp:

After qualifying the Rajyapuraskar, Scouts /Guides shall be eligible **Pre-Rastrapathi Camp & Rajyapuraskar Camp** .These tests will be conducted by National Training centre and National head Quarter, Bharath Scouts and Guides, New Delhi only.

Minimum HWB, ALT and LT Holders are required to conduct the test.

NOTE:-Applications are available only in NVS Head Quarters, New Delhi. They shall be applied through NVS State only.

Annual Calendar of BS & G for 2017-18

a) List of programmes to be organized at Vidyalaya level in addition to the celebration of important days:

Sl.No.	Day of Celebration	Date
1	International day against Drug Abuse and illicit Trafficking	26 th June
2	World Forest Day	30 th June
3	Pachmarhi Day	10 th September
4	International Day of Elderly Persons	1 st October
5	Anti-Leprosy Day	2 nd October
6	World Habitat Day	2 nd October
7	Jota/Joti	21 st & 22 nd October
8	BS & G Foundation Day and Flag Day	7 th November
9	World AIDS Day	1 st December
10	International Day for Disabled Persons	3 rd December
11	Human Rights Day	10 th December
12	Youth day	12 th January
13	Anti Leprosy Day	30 th January
14	Thinking Day /Founders Day	22 nd February

b) Proposed Programmes for Scouts and Guides (JNV Level)

Sl.No.	Name of the Programme /Event	Month
1	Youth Leadership Camp	September
2	Sea Scouts/Guide Leader Training Course	September
3	Scout/Guide International Camp	October
4	National Adventure Programme	October
5	Jota/Joti-Jamboree on the Air	October
6	National Tribal Scouts/Guide Meet	October
7	National Level Water Regatta	October
8	National Adventure Programme	November
9	Rastrapathi Scout/Guide Rally	November
10	National Skatting Tour Programme	November
11	National Adventure Programme	November
12	Scout/Guide International Camp	November
13	National Scout /Guide Integration Programme & Camp	December
14	Coastal Trekking	December
15	Desert Trekking	December
16	National Patrol Leaders Jamborette	December
17	National Adventure Programme	December
18	North East Mini Jamboree	January
19	Youth Day Celebration	January
20	National Adventure Programme	January
21	Prime Minister Shield Competition Rally	February

c) List of Programmes for Scouter (SM's) and Guider (GC's) [Regional Office Level]

S.No.	Name of the Programme/Event	Place
01.	Community Singing Training Course	NHQ Delhi
02.	Disaster Preparedness Training Course	Jaipur Raj
03.	Vocational Training Course for Unit Leaders	Ajmer
04.	30'b Pre ALT Course (Guide wing)	NIC Pachmari
05.	National Standard Judging Camp	NYC Pachmari
06.	Pre-ALT Course (Scout wing)	NTC Pachmari
07.	L.T. (Leader Trainers) Course (Guide Wing)	NTC Pachmari
08.	Mapping Cum Star Graying Course	NTC Pachmari
09.	Quarter Master Training Course (Conunon)	NTC Pachmari
10.	Pioneering cum Estimation course	NYC Gadpuri
11.	Pre ALT Course for scout wing	NTC Pachmari
12.	Badge Instructors and Examiners Coume	NYC Gadpuri
13.	Pre-ALT Course (Guide Wing)	NTC Pachmari
14.	Course for leader trainers (Scout wing)	NTC Pachmarl
15.	SOC/STC Meet	NHQ Delhi

Note : To Participate in different Courses Names shall be sent to Head Quarters at the earliest.

d) Scheme for Advancement of a Scout or a Guide 2017-18

S.No.	Name of the Event	Programme	Age
01	Pravesh	1. A boy or a girl can be invested as a Scout or as a Guide on completion of Pravesh Test.	10 Years
		2. A Pravesh Scout/Guide will work at least six months to qualify for Pratham Sopan	After Six Months to Pravesh
02.	Investiture	The recruit has completed his/her Pravesh Test. He/She has been prepared by his/her Patrol leader.	After Three Months to Pravesh
03.	Pratham Sopan	A Pratham Sopan scout or a guide will work for at least nine months to qualify for Dwitiya Sopan	After Nine Months to Pratham Sopan.
04.	Dwitiya Sopan	A Dwitiya Sopan Scout or a Guide will work for at least nine months to qualify for Tritiya Sopan.	After nine Months to Dwitiya Sopan.
05.	Tritiya Sopan	A Tritiya Sopan Scout or a Guide will work for at least six months to qualify for Rajya Puraskar.	After Six Months to Tritiya sopan.
06.	Rajya Puraskar	A Rajya Puraskar Scout or a Guide will work for at least nine months to qualify for Rashtrapati Scout Award or Guide Award. Note: Unless a Scout or a Guide completes the age of thirteen years, he/she will not be eligible for receiving the Rajya Puraskar	After nine months to Rajya Puraskar. Age-After Thirteen Years.
07.	Rashtrapati Award	Note: Unless a Scout or a Guide completes the age by fourteen years he/she will not be eligible for receiving the Rastrapathi Award.	Age after Fourteen Years

47. GENDER SENSITIZATION PROGRAMME:

Jawahar Navodaya Vidyalayas aim at building a learning community where the students and stakeholder know, understand and respect each other. Educational practices in JNVs are aligned with the Principles of Justice, Liberty, Equality and Fraternity as enshrined in the Indian Constitution.

Jawahar Navodaya Vidyalayas constitute a unique and large network of co-educational institutions in the country and residential culture is common to all of them. NVS expects all JNVs to strive for enhancing the quality of co-educational residential culture and its effectiveness by creating a safe environment for children and not to harm them in any way by any act of immoral behaviour while in the custody of JNV. In order to enable all persons to participate effectively in a free and more human environment and to build awareness on gender equality, Samiti has planned to conduct gender sensitization programme through AEP with objectives as under:

- Creating positive and just gender environment among students in the JNVs.
- Establishing gender sensitization approach within school premises.

In order to achieve the above objectives, the following measures have to be taken:

Training modules:

Training Modules will be prepared centrally at the level of NVS Hqrs in collaboration with AEP Training Programs. Training modules will contain specific objectives and activity based programme. The salient features/ outlines of the modules will be as under:-

- Establishing & maintain positive and responsible relationship.
- Understanding and challenging straw types discriminations.
- Understanding and challenging sexual abuses & aggression.

Training Schedule:

With the objective to impart training to the teachers of JNVs, following training schedule is to be undertaken:-

- Centralized training programmes will be conducted in four phases for master trainers for identified teachers from all regions to act as Master trainers.
- Regional level training programmes will be conducted in three to four phases depending on the number of JNVs and number of teachers so as to cover all the JNVs. The training programme at the regional level will be conducted by the master trainers of AEP programmes.
- Gender sensitization sessions for the students of JNVs will be conducted by the trained teachers once in a week for each class.

Selection criteria for Teachers for Training:

- At least one male and female teacher should be deputed from each school for training at initial stage.
- Preferably below 45 years of age to be identify for the training.
- Interested in such subjects and sensitize to concerns of young people.
- Sensitive to cultural sensibilities.

- Friendly with students.
- Good knowledge of local culture.
- Excellent communication skills (English, Hindi & Local dialect)
- Experience of imparting participatory training in education and development related issues.

Conducting sensitization sessions in the JNVs for the students:

- Each JNV will allot 45 minutes per week to each class for conduct of Sensitization Sessions to the students once in a week.
- The time frame may be decided by the JNV on the basis of the need of concerned target groups and local situations.
- The programme materials need to be adapted as per the local needs without making changes in the topics/ activities.
- The resource person/trained teacher will be well prepared and should be fully aware of all training needs/contents.
- The teacher/resource persons is expected to aware of the profile of target group/participants and will facilitate better communication among the resource person and students.
- The participatory and interactive approaches are at core of the entire session.
- Efforts will be required to ensure to every students gets necessary motivation and opportunities for active participation and learning.
- Keeping the contents/resource material and transactions relevant to the concern of students and their needs will be given special focus.
- The period should be allotted to the teachers who are trained in AEP Programs.

Conduct of awareness program in other activities:

In addition to the above the Principals of the JNVs are required to prepare an action plan for the year 2017-18 for gender sensitization awareness in the JNVs in the form of debates, demonstrations, discussions, chalks, hand outs, audio & video clipping, campaigning, essay writing competitions, stage activities, lectures in the morning assembly and programmes in the co-curricular activities on the following topics.

- Educate a woman- Educate a nation.
- To share experience of working with ladies.
- To help men recognize the importance of women in society.
- Familiarize students with gender issues.
- To encourage Girls to examine their personal beliefs on life and work – A reflection on values.
- Multiple roles of women in society.
- Some facts about women in society.
- Gender equality.
- Factors hampering the progress of Girls.
- Value Education.

Monitoring:

The facilitators i.e. R.Os, Assistant Commissioner i/c Cluster, Principals and trained teachers are responsible for effective implementation of the programme in JNVs.

The Assistant Commissioners, Cluster (I/C) is responsible for monitoring the implementation of the programs in their respective JNVs under their cluster and submit reports on quarterly basis.

Check list for monitoring will be sent periodically by the Principals to Assistant Commissioner, Cluster (I/C) on the proforma at (Annexure – III) by 5th day of every succeeding month who will submit the reports of all JNVs under this control in consolidated manner to concerned Ros. The Ros will submit reports/feedback to Hqrs. on quarterly basis on the format at Annexure – IV for further review.

Note: JNVs will be at liberty to add few new areas concerned to gender sensitization as per the resources available.

48. SELF-DEFENCE TRAINING PROGRAMMES FOR EMPOWERING GIRLS:

Samiti has been emphasizing the need for achieving excellences of students in various games, sports & physical activities in the JNVs. Although the participation of girls in sports and physical activities and competitions at various levels have been observed encouraging in the JNVs. Generally, the girls should be encouraged to participate in co-curricular activities, sports, games and physical activities, Scout & Guide, NCC and other adventure programs.

In the wake of present scenario, it has been felt that learning of self-defence skills is essential to empower individual girls which can help them to live with dignity and confidence and to defend themselves against the violence against them.

In order to create awareness about the safety of the girls, special focus is required to be given in the sports & physical activities to teach basic self-defence techniques to train them and to tackle real life situations and protect themselves from anti-social elements.

Objectives:

To train Navodaya girl students for safeguarding and to defend themselves against crimes against them. Implementation of self-defence progress.

Measures to Achieve the Goal:

- The self-defence training for girls will be taken as one of the important activity for inclusion in the sports & physical activities being conducted in the JNVs. The training will include i.e. Judo, Karate & Taekwondo and other innovative techniques for self-defence.
- The Principals will identify training resources /experts preferably from the recognized agencies/organizations.
- The Resource persons/experts preferably female Instructors may be appointed initially for a period of three months.
- An honorarium of Rs. 10,000/- shall be paid to the Instructor out of Vikas Nidhi Fund of the Vidyalaya.
- The girl students will be divided into groups for conduct of the classes. One group should consist of not more than 7 to 10 for training purpose.
- The Principal will ensure that week long curriculum for teaching of self-defence is prepared by the Instructor and one hour a day will be allotted to a group of students so that all the girl

students are covered alternately during the period of three months initially.

- The Principal will plan the allotment of time and space for training keeping in view the prescribed time schedule of the Vidyalaya.
- The Principal will submit feedback report of the activity undertaken to the Asstt. Commissioner, Cluster Incharge periodically i.e. by 5th day of every succeeding month.
- The Asstt. Commissioner, Cluster Incharge will monitor & review the reports of the JNVs of his/her cluster and submit report to the Regional office by 15th day of the succeeding month in a consolidated manner.
- The Deputy Commissioner, Regional office will review the feedback reports of the JNVs of their respective regions and submit report to NVS Hqrs on quarterly basis for conduct of review meetings.
- Self defence classes may be organized during morning PT/Evening games hours.
- Lady escort to be present for strict supervision to avoid any untoward incident during training.

Note: The Vidyalayas will be at liberty to add a few more areas, if any, for further strengthening the sports & self-defence programmes for the girl students.

49. NEWS ITEMS OF JNVS / ACHIEVEMENTS:

Important activities, events, developments, achievements etc. of the Vidyalaya are to be recorded for permanent and long term preservation to show the functioning of the Vidyalaya. The same is to be digitized and uploaded from time to time on the Vidyalaya website.

50. SCHOOL MAGAZINE:

The School magazine is the window to the activities and achievements of the students and the Vidyalaya. Proper initiative by the teachers can help in improving the use and expressions of the students which, in turn, will raise the standard of the magazine. Every Vidyalaya must consider the importance of the school magazine for the benefit of its students. All the students should be encouraged and given opportunity individually or in a group for contributing to the school magazine. Efforts are to be made by every JNV to bring out monthly school magazine as well as annual school magazine.

51. PREPARATION OF STUDENTS FOR COMPETITIVE EXAMINATIONS:

Every JNV should ensure proper guidance and knowledge to the students regarding notification of various competitive exams. Efforts are to be made to tap resources for providing guidance, counselling, special classes including online support in this regard. Mock tests are to be seriously conducted to enhance the skills and content enriching abilities.

52. ORGANISATION OF ANNUAL SPORTS MEET IN JNVS:

Sports and games play great role in improving and maintaining the health and fitness, mental skills and enhance concentration levels. The importance of sports and games in schools encompasses more than just the benefit of physical activity. The Annual Sports Meet allows students to develop psychomotor skills and fine tune motorskills with coordination, movement, strength, dexterity, grace,

speed and also find healthy outlets for energy. This promotes a good rapport among students, teachers, parents and administration and show case talents of students for inspiration of others.

53. ORGANISATION OF ANNUAL DAY IN JNVs:

The **celebration of Annual Day** is crucial in the schools as it provides a platform for the students to showcase their talent and urges the teachers to put their best. It provides the opportunity to the students to exhibit their talents in different ways. The students and staff are honoured for their academic achievements during the celebration of Annual Day. It leaves a great impact on parents also. Therefore, necessary efforts are to be made to conduct these two programmes in the Vidyalaya in a befitting manner.

54. CULTURAL EXCHANGE & EXPOSURE TO THE STUDENTS:

As regards the Cultural Exchange and Cultural Exposure to the students, migration policy and art in education are to be effectively implemented in all JNVs to realise the objective of promoting / developing value of national integration. In addition to these two, having a practice which ensures exposure of all school students to local environment including culture, economy, flora, fauna etc. These activities will inculcate awareness among students about India's rich cultural heritage and its vibrant diversity. It is, therefore, JNVs need to introduce the activity of field visit of students. These activities could include visits to places of historical importance, interaction with and visiting prominent local artists, visit to studying the local market in different seasons, studying the supply chains of various products of our industry, National Park, Zoological Parks etc. In this regard, JNVs require furnishing action taken report to the RO concerned.

55. ARRANGEMENT OF EXPERT LECTURES / INTERACTION SESSIONS FOR STUDENTS IN JNVs:

Bringing in specialists with proven expertise in a particular field provides added credibility to the content of new area particularly, in the area of opting the career. Hearing new voices provide students not only with different point of view but also with potential resources they can apply in later course. These sessions give students a chance to connect with the professionals.

The Principal should select 30-35 themes from the following service areas and arrange for lectures :

- 1) Agriculture
- 2) Manufacturing
- 3) Trade
- 4) Profession
- 5) Any other important service

These activities are to be essentially carried out in all JNVs.

56.

AWARDS TO TEACHERS AND STUDENTS:**NATIONAL AWARDS TO TEACHERS –PRESIDENT AWARD**

The Scheme of National Award to Teachers was started in the year 1958- 59 with the object of raising the prestige of teachers and giving public recognition to the meritorious services of outstanding teachers working in Primary, Middle and Higher Secondary Schools. From the Award year 1993, the scheme has been enlarged to cover the teachers from Navodaya Vidyalayas. Each award carries with it a certificate of merit, a cash award money of Rs.25,000/- and a Silver Medal. The enhanced amount has been given to the National Awardee from the Award year 1999. The Government of India, Ministry of HRD invites recommendation of meritorious and deserving teachers / Vice – Principal / Principals for National Award to teachers every year.

Quota / Category of Award allocated to the Samiti:

Primary Category		Secondary Category		Total Awards	
Primary	Special	Secondary	Special		
1	1	1	1	4	

Teachers teaching up to class VIII are considered under **Primary Category** where as teachers teaching from IX-XII including Vice Principal and Principal are considered under **Secondary Category**

Special Category:

Teachers promoting integrated inclusive education to the students with disabilities / Teachers with disabilities working in JNVs / Special Teacher or trained general teachers who may have done outstanding work for inclusive education are also considered under the Special Category.

Main Consideration for Selection:

- Teacher's reputation in the local community
- His/Her academic efficiency and desire for its improvement
- His/Her genuine interest in and love for children; and
- His/Her involvement in the social life of the community

Conditions of eligibility:

- Classroom teachers with at least 15 years regular teaching experience and Vice-Principal / Principals with regular 20 years of teaching experience in the Samiti are considered.
- In case of teacher promoting an integrated inclusive education the eligibility will stand reduced from 15 years to 10 years of service and 20 years to 15 years for Principals / Vice Principals.
- Retired teachers are not eligible for the Award but those teachers who have rendered a part of the calendar year at least for four months i.e. up to 30th April (for the year to which National Award relates) may be considered.
- Only those teachers having requisite years of experience as on 31st December of the preceding year are eligible to be considered for the Award.

Procedure for selection:

The names shall be recommended by the duly constituted Regional Level Committee as per the quorum given below and transmitted to NVS Hqrs, for further scrutiny and onward nomination to the Union Government in the order of merit in conformity to the number of prizes allotted in each category

Regional Level Committee:

-  Deputy Commissioner, NVS RO as Chairman
-  Three Assistant Commissioner of concerned RO as Members

Documents to be submitted:

- Particulars of Teachers/ Vice Principals/ Principals duly filled in the requisite format provided by the Ministry.
- Two pass port size photographs duly attested on backside.
- A brief resume of Teacher focusing achievements, awards, contribution to Vidyalaya Community etc.
- Vigilance Clearance Certificate stating that no Vigilance case is either pending or contemplated against him/ her as per records available.

The selected candidates are awarded on 5th September every year by the President of India.

NVS INCENTIVE AWARDS

The Scheme of Navodaya Vidyalaya Samiti Incentive Award to the Principals, Vice Principals, PGTs, TGTs and Miscellaneous category of teachers at National level is launched since last couple of years. These awards are given to the faculty of teaching staff including Principals and Vice Principals for excellence in academic and all round meritorious performance in different areas.

Number of awards earmarked at National Level:

Sl.No.	Category	Number of Awards
1	Principal	5
2	Vice-Principal	5
3	PGTs	One for each subject
4	TGTs	One for each subject
5	Misc.Category of Teachers - TGTs(i.e. Art,Music,PET, SUPW & Librarian)	One for each subject
6	Students Toppers (Class X - 03 & Class XII-04)	7

Eligibility criteria:

1. Principals, Vice Principals and Teachers, who have rendered Six years of regular service in Jawahar Navodaya Vidyalayas by 31st March of the year.
2. 95% of passes in CBSE Board Examination of Class X & XII in the immediate past 3 years (for Principals/Vice Principals).
3. 95% of passes in their subject in immediate past 3 years (for Teachers)
4. Level of achievement in Vidyalaya activities like House management, Mess Management, CCA, NCC, Scouts and Guides, Sports and Games, Computer Education/ ICT, Pace Setting, etc.
5. Good conduct and behaviour and contribution towards healthy conducive

atmosphere.

Details of Awards:

- ✚ Cash Award - Each awardee Principal/Vice Principal/Teachers selected for National Award will be honoured with Cash Award of Rs.10,000/-.
- ✚ A shawl costing Approximately Rs.1, 600/- per piece
- ✚ A commendation certificate

Guidelines for recommendation:

1. Quantitative and Qualitative performance in Academics for the last 3 years.
2. Contribution and achievement in co-scholastic activities.
3. Use of ICT in class transaction.
4. Innovative projects undertaken.
5. Frequency of participation in training programme, In-service courses as resource person etc.
6. Working as House Master/ Associate House Master.
7. Grading of ACRs for the last three years.
8. Recognition at District/ Regional/ State/ National Level

The constituted committee at Headquarter Level scrutinize the credentials of recommended Awardees and select the best Principals, Vice Principals, and Teachers for NVS Incentive Award at National Level.

NVS NATIONAL AWARDS TO STUDENTS

Eligibility criteria:

- Three Toppers of class X across the JNVs in terms of percentile score obtained in CBSE Board Exam.
- Four Toppers of class XII (One each in four streams) across the JNVs in CBSE Board Examination.

Details of Award:

- Gold Medal (50 gms Silver medal of 75% purity with rhodium gold polish and Navodaya Logo one side and details of Exam. on the other side)
- A Commendation Certificate.

Documents to be submitted

- Particulars of students duly filled in the requisite format provided by the Samiti.
- Two pass port size photographs duly attested on backside and attach in a separate envelope.
- A brief resume of the student focusing achievements, awards, contribution to Vidyalaya Community etc.
- Vigilance Clearance Certificate stating that no Vigilance case is either pending or contemplated against him/ her as per records available.
- Any other relevant information

**57. DAILY ROUTINE – SUMMER BOUND AND WINTER BOUND JNVs:
(All the eight periods should be of 40 minutes each)**

DAILY ROUTINE (SUMMER BOUND) FOR THE YEAR 2017-18

S.NO.	NAME OF ACTIVITY	TIME
1.	Rouser	5.15 a.m.
2.	Morning PT/Yoga	5.45 to 6.15 a.m.
3.	Bath & Change	6.15 to 7.00 a.m.
4.	Milk/Alternative item	7.00 to 7.15 a.m.
5.	Assembly	7.15 to 7.35 a.m.
6.	I Period	7.35 to 8.15 a.m.
7.	II Period	8.15 to 8.55 a.m.
8.	Breakfast	8.55 to 9.30 a.m.
9.	III Period	9.30 to 10.10 a.m.
10.	IV Period	10.10. to 10.50 a.m.
11.	V Period	10.50 to 11.30 a.m.
12.	Recess	11.30 to 11.40 a.m.
13.	VI Period	11.40 to 12.20 p.m.
14.	VII Period	12.20 to 1.00 p.m.
15.	VIII Period	1.00 to 1.40 p.m.
16.	Lunch & Rest	1.40 to 3.00 p.m.
17.	Supervised Study/ Remedial teaching	3.00 to 4.30 p.m.
18.	Tea & Snacks	4.30 to 4.45 p.m.
19.	Games & Roll Call	4.45 to 5.50 p.m.
20.	Bath & Change	5.50 to 6.15 p.m.
21.	Supervised Study in Academic Block	6.30 to 8.00 p.m.
22.	Dinner	8.00 to 8.45 p.m.
23.	Counselling by H.M./A.H.M. and Roll Call	8.45 to 9.15 p.m.
24.	Self Study	9.15 to 10.15 p.m.
25.	Light Off	10.15 p.m.

ROUTINE(WINTER BOUND) FOR THE YEAR 2017-18

S.NO.	NAME OF ACTIVITY	TIME
1	Rouser	5.45 a.m.
2	Morning PT/Yoga	6.15 to 6.45 a.m.
3	Bath & Change	6.45 to 7.30 a.m.
4	Supervised Study	7.30 to 8.30 a.m.
5	Breakfast	8.30 to 9.00 a.m.
6	Assembly	9.00 to 9.20 a.m.
7	I Period	9.20 to 10.00 a.m.
8	II Period	10.00 to 10.40 a.m.
9	III Period	10.40 to 11.20 a.m.
10	Recess	11.20 to 11.30 a.m.
11	IV Period	11.30 to 12.10 p.m.
12	V Period	12.10 to 12.50 p.m.
13	VI Period	12.50 to 1.30 p.m.
14	Lunch & Rest	1.30 to 2.40 p.m.
15	VII Period	2.40 to 3.20 p.m.
16	VIII Period	3.20 to 4.00 p.m.
18	Tea & Snacks	4.00 to 4.30 p.m.
19	Games & Roll Call	4.30 to 5.30 p.m.
20	Bath & Change	5.30 to 6.15 p.m.
21	Supervised Study in Academic Block	6.15 to 8.00 p.m.
22	Dinner	8.00 to 8.45 p.m.
23	Counselling by HM/AHM and Roll Call	8.45 to 9.15 p.m.
24	Self Study	9.15 to 10.00 p.m.
25	Light Off	10.00 p.m.

58.

SUNDAY / HOLIDAY ROUTINE:

S.No.	Activity	Time
1	Rouse	5:30 AM
2	Roll Call, Cleaning of House surrounding / Dormitories / Beautification of Campus. HMs/AHMs on rotation and MOD to attend.	06:30 to 07:30 AM
3	Cleaning of Cloths, Bath & Change.	07:30 to 09:00 AM
4	Breakfast	09:00 to 09:30 AM
5	Organised Study /Special Assembly or Function on the Holiday (Vidyalaya will arrange staff duties for supervision on rotation basis)	10:00 to 12:00 NOON
6	Own time	12.00 to 1.15 PM
7	Lunch & Rest	01:15 to 02:30 PM
8	Library	02:30 to 04:00 PM
9	Roll Call, Tea & Snacks	04:30 to 5.00 PM
10	TV/Optional Games	5.00 to 8.00 PM
11	Dinner	8.00 to 8.45 PM
12	Counselling by HM/AHM and Roll Call	8.45 to 9.15 PM
13	Self Study	9.15 to 10.00 PM
14	Lights off	10.00 PM

Since Librarian will be engaged every Sunday in the afternoon, he may be given off in the Saturday afternoon.

Note: Flexibility is given to the Regional Offices for any change, if needed.

59.

BANDOBAST ACTIVITIES BEFORE RE-OPENING OF VIDYALAYA AFTER SUMMER VACATION:

Every JNV should prepare an Action Plan for carrying out various important activities before summer vacation so as to carry out these activities during summer break:

1.REPAIR & MAINTENANCE OF BUILDINGS

Repair & Maintenance of building should be carried out based on the action plan as suggested at proforma 1D which is enclosed. M&R Committee should be constituted as per the guidelines given by construction wing. It should be ensured that one officer from local PWD / Irrigation Department should be included in the committee with the help of Chairman VMC. Before summer vacation starts the M&R Committee should meet and chalk out the various activities that are required to be taken up during the summer

vacation under M&R. It should also be ensured that unnecessarily teaching staff should not be retained during summer vacation for the purpose of carrying out M&R work. Once proper planning is done O.S/UDC should be entrusted with the responsibility of supervising the M&R work. Purchase of materials should be done before Vidyalaya closes. Over all the following activities under M&R should be taken up with priority during vacation.

- a) Repair of water supply system, electrical installation, sewer system, sanitary system, doors/window/ventilators, plaster/floor repair etc in dormitories, school building, MP Hall, dining/Kitchen and staff quarters.
- b) White washing/colour washing/painting in all buildings including boundary wall and main entrance gate.
- c) Making the play fields upto date
- d) Cleaning of OHT/UG sump/roof top tank/septic tank/man hole/gully trap/sewer line/open surface drain etc.
- e) Uprooting of plants/shrubs from wall & roof.

2. REPAIR OF FURNITURE AND GADGETS

- a) It is to be ensured that all beds/cots, bench/desk, chairs, almirahs etc are in good condition
- b) Ensure that no children sit on dari in classroom.
- c) The beds shall be oriented properly in dormitories and will be numbered: a register should be made allocating number of bed to a particular child, so that at the time of reporting he gets proper allocation.

SAFETY AND SECURITY MEASURES:

- a) Implementation of 14 Point Programme regarding safety & Security of students circulated vide letters dated May 18th 2011 and Aug 4th 2011 by NVS –SA wing to be implemented with all seriousness and monthly report to be submitted to RO regularly by 5th of every month. In this regard following points may be noted for strict compliance:
 - 1) Every Principal and staff member in a Navodaya Vidyalaya will carefully follow these points for due and proper compliance.
 - 2) Every Principal will submit a monthly report to the concerned Regional Office indicating compliance of these 14 Points and shortcomings, if any.
 - 3) Every Assistant Commissioner Incharge of Cluster will personally monitor proper implementation of these programmes during his visit to the vidyalayas and also through frequent personal interaction.
 - 4) Regional Office will take immediate follow up action on any shortcomings in implementation in any Vidyalaya and submit a report to the Headquarters.
 - 5) 14 Points security measures suggested in this programme are bare minimum and illustrative. Principals of the vidyalayas may add any other point for monitoring based on local felt needs of the Vidyalaya.
- b) A set of 5 proformae as under have been prepared for regular monitoring:
 - 1) Monthly House Prefects Meeting with Principal in the Presence of House Masters
 - 2) Monthly Class Prefects/Monitors Meeting with Principal in the Presence of Class Teachers
 - 3) Monthly Staff Meeting
 - 4) Monthly Maintenance & Repair (M&R) Committee Meeting
 - 5) Monthly Mess Committee Meeting.

	<p>c) All fire extinguishers shall be checked: expired one's shall be refilled and placed in position.</p> <p>d) The sand buckets shall be painted and put in place.</p> <p>e) Boundary wall/fencing shall be checked & repaired wherever found damaged.</p> <p>f) Locking arrangement of terrace doors of dormitory & school buildings shall be ensured.</p> <p>g) Food waste shall be disposed off preferably in a compost pit about 150 to 200 mtr away from habitat area in the JNV campus.</p> <p>h) Open wells shall be covered with Grills and kept locked.</p> <p>i) MCB's should be locked, etc. All open and naked wires of electrical fittings to be repaired and power supply system should be made functional in all respects.</p> <p>14-POINT PROGRAM AND ITS IMPLEMENTATION (ANNEXURE-IV)</p>		
60.	<p>SAFETY AND SECURITY OF STUDENTS:</p> <p>Navodaya Vidyalayas being Co-educational and residential in nature, it is the prime responsibility of the Principal and Staff to ensure Safety and Security of children till they remain on the rolls of the Vidyalaya. The Principal and Staff of the JNVs are expected to ensure that Safety and Security and good health of students are given paramount importance. Some of the preventive measures for Safety and Security of the children in the JNVs are suggested as follows:</p> <p>01. Various Circulars issued by NVS HQ / ROs issued from time to time as listed below be strictly adhered to :</p> <table border="1"> <tr> <td> <ol style="list-style-type: none"> 6-23(202)/89-NVS(Admn) dt 31.10.1989 5-31/92-93/NVS(SA) dt Feb 1993 5-37/94-95-NVS(SA) dt 04.10.1994 5-31/95-NVS(SA) dt 07.05.1996 5-31/95-NVS(SA) dt 18.07.1996 5-31/96-NVS(SA) dt Sept, 1996. 5-31/97-NVS(SA) dt June 1997 5-31/97-NVS(SA) dt 24.02.1998 5-31/2000/NVS(SA) dt 19.10.2000 2-41/2001-NVS(SA) dt 13.08.2001 1-2/2002-NVS(SA) dt 06.03.2002 1-2/2002-NVS(SA) dt 18.02.2003 1-38/93-NVS(Estt) dt 03.03.2003 1-2/2002-NVS(SA) dt 04.03.2003 14-2/93-NVS(Vig) dt 20.12.1993 2-45/2001-NVS(SA0 dt 17.03.2003 2-45/2001-NVS(SA) dt 28.03.2003 </td><td> <ol style="list-style-type: none"> 18. 5-4/2009/NVS (SA)/24, Dt. 28.02.2012 19. 10-75/2012-NVS (SA), Dt.15.05.2012 20. 7-6/2013-NVS (COM.), Dt. 20.05.2013 21. 10-75/2012-NVS (SA)/54, Dt. 6.6.2013 22. 5-4/2010-NVS (Sch.Adm.)/66, Dt.12.8.2013 23. 3-223/2013-NVS (SA), Dt. 18.9.2013 24. 10-82/2013-NVS (SA), Dt. 28.11.2013 25. 10-83/2013-NVS (SA), Dt. 28.11.2013 26. 10-73/2011-NVS (SA), Dt. 11.12.2013 27. 10-84/2013-NVS (SA), Dt. 23.12.2013 28. 1-1/2004-NVS (Estt.)-II/2514, Dt.26.12.2013 </td></tr> </table> <p>02(a) PRECAUTIONARY CODE FOR SICKNESS:</p> <ul style="list-style-type: none"> Preparation and implementation schedule of visit of Principal, Staff Nurse and Housemaster to the dormitories. Enquire from house captain about health and welfare of the children during visit. The Housemaster to submit daily report to the Principal on the format to be prescribed by the Vidyalaya indicating the welfare and presence of children. 	<ol style="list-style-type: none"> 6-23(202)/89-NVS(Admn) dt 31.10.1989 5-31/92-93/NVS(SA) dt Feb 1993 5-37/94-95-NVS(SA) dt 04.10.1994 5-31/95-NVS(SA) dt 07.05.1996 5-31/95-NVS(SA) dt 18.07.1996 5-31/96-NVS(SA) dt Sept, 1996. 5-31/97-NVS(SA) dt June 1997 5-31/97-NVS(SA) dt 24.02.1998 5-31/2000/NVS(SA) dt 19.10.2000 2-41/2001-NVS(SA) dt 13.08.2001 1-2/2002-NVS(SA) dt 06.03.2002 1-2/2002-NVS(SA) dt 18.02.2003 1-38/93-NVS(Estt) dt 03.03.2003 1-2/2002-NVS(SA) dt 04.03.2003 14-2/93-NVS(Vig) dt 20.12.1993 2-45/2001-NVS(SA0 dt 17.03.2003 2-45/2001-NVS(SA) dt 28.03.2003 	<ol style="list-style-type: none"> 18. 5-4/2009/NVS (SA)/24, Dt. 28.02.2012 19. 10-75/2012-NVS (SA), Dt.15.05.2012 20. 7-6/2013-NVS (COM.), Dt. 20.05.2013 21. 10-75/2012-NVS (SA)/54, Dt. 6.6.2013 22. 5-4/2010-NVS (Sch.Adm.)/66, Dt.12.8.2013 23. 3-223/2013-NVS (SA), Dt. 18.9.2013 24. 10-82/2013-NVS (SA), Dt. 28.11.2013 25. 10-83/2013-NVS (SA), Dt. 28.11.2013 26. 10-73/2011-NVS (SA), Dt. 11.12.2013 27. 10-84/2013-NVS (SA), Dt. 23.12.2013 28. 1-1/2004-NVS (Estt.)-II/2514, Dt.26.12.2013
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- The Principal, Housemasters, and other teachers must conduct fortnightly inspection of the class rooms, dormitories, dining hall, toilet and bathroom blocks to specifically find out whether the electrical wiring and points are in order. In case they find any un-insulated live wires, the wiring must be changed and electricity disconnected, till such defects are set right. Nobody should tamper with the distribution boxes with the fuse carriers.
- Regular roll call and attendance by Housemaster twice daily. The attendance Register of House to be verified and countersigned by Principal at 10.00 p.m. daily.
- The Staff Nurse will attend the sick child immediately. No illness of the child is to be taken casually or a routine manner instead the symptoms of illness and medicines given should be recorded in the register.
- The sick student should not be left alone in the dormitory at any time.
- The sick child is to be kept under the supervision of staff nurse or a teacher.
- A suitable room should be set up as MI room equipped with the essential material, attached bathroom and other facilities.
- The Housemaster has to ensure that the child is being provided medical treatment properly.
- Necessary arrangements should be made for special diet if necessary and instructions issued to Catering Asstt./ Mess staff accordingly.
- The house master/ Principal or staff nurse feels that simple ailment is not required any treatment, but the feelings of the child should be taken care of. He / She should be given a patient hearing and counselled accordingly with a feedback
- The Vidyalaya doctor should be consulted always, after first aid treatment to the child.
- In absence of Vidyalaya Doctor (if found not available at that time) a qualified doctor of the nearby Health Centre/Hospital should be consulted.
- The part time doctor and staff nurse feels that the illness of the child cannot be diagnosed immediately; the child should be immediately shifted to a nearby Govt. Hospital for further examination.
- Medicines prescribed by the doctors should be given to the students only by the staff nurse.
- In case of any serious illness of the child and the Vidyalaya requires any expenditures to incur on them, the amount may be incurred by the Vidyalaya without any delay and later on it can be got reimbursed by the parents. Treatment cannot be delayed for want of finance.
- The record about the sick child is to be maintained and informed to the principal daily in the evening in a prescribed format.
- A sick child should not be sent to his home. Instead the child should be hospitalized and the parents are informed immediately.
- Full medical check-up of the students may be conducted once in a quarter.
- Diet for the sick students should be given separately as per the recommendations of the Doctor.
- The individual Health Record should indicate the Status of Health during the quarterly health check-up and should be readily available in the Vidyalaya.
- Sick students just after recovery from illness should not be permitted for games and

sports activities till they feel physically fit.

- For regular medical check-up of the students and maintenance of Health Record and for monitoring of health problems of the children of the JNV, the Staff Nurse would be accountable.
- Regular mosquito eradication measures to be taken in Vidyalaya
- A regular action plan should be prepared and implemented for avoiding seasonal contagious disease on account of water and weather etc.
- Outside foodstuff should not be permitted except items like biscuits etc.
- Medical history card is to be invariably sent along with migrated children
- Children suffering with chronic disease should not be sent on migration.
- Personal hygiene of Mess workers and conditions in the kitchen and Mess are checked by Vidyalaya doctor at least once in a quarter.
- The cleanliness of mess surroundings, utensils, and food preparations should be checked by Catering Assistant, Staff Nurse, and Principal. Regular arrangements for disposal of waste foodstuffs should be made.
- Proper care should be taken with regard to installation of gas cylinders. All necessary arrangements should be made as per the specification laid down by the gas authority for installation of gas connection without giving any scope for leakage, etc.
- Adequate care should be taken with regard to drinking water. The staff nurse should be instructed to ensure that the water is properly purified/chlorinated before using for drinking purpose.
- Toilets and sanitary conditions should be kept clean. Necessary Disinfectant agents like phenyl, Bleaching Powder etc., and cleaning be used frequently to avoid infection/contamination.
- Kitchen and utensil, washing place should be kept clean. Necessary arrangements should be made for spraying of phenol, bleaching powder and avoid water stagnation not to give scope for breeding of mosquitoes, flies, etc. Dining tables should be kept neat and clean.
- When students are admitted in class VI, a medical fitness certificate of civil surgeon will only be accepted.

02(b) Measures To Prevent Children From Dangers Of Ponds / Lakes / Drowning:

- Construction of compound wall is to be given top priority which may help in keeping proper supervision and control over children and prevent trespassing.
- The open wells and ponds, if exists, in the campus are to be provided with a protective wall and iron grills covering the well and the movements of the students are restricted towards it
- Not to allow children to go toward the nearby river, canals, ponds and railway tracks and to take bath using water from the overhead tanks by climbing on the terrace.
- For certain ritual and functions which are observed in the Vidyalaya, necessary precautions and arrangements to be made in advance. Children should not be permitted to go on rallies for immersion of idols in tanks, ponds, and wells etc.
- No student should be allowed to go on leave without written request of the parent or the person authorized by parent.

- Any person/parent visiting Vidyalaya must obtain permission from Housemaster to meet the students invariably by mentioning in the visiting register with his name, address purpose, date and time of arrival and departure that must be seen by the Housemaster and Principal.

02(c) Preventive Points from Suicidal Actions:

- Frequent interaction of Housemaster with the students to be developed in order to attend to the problems of children on regular basis.
- Proper regular counselling of the children is to be done to help the mentally disturbed children who are under depression.
- No student should stay inside the dormitories during class hour. All the dormitories should be locked after the classes are commenced.
- Psychological behaviour of the students should be watched closely in order to avoid shyness, depression, and aloofness of the students, which may cause any sort of unforeseen incidents.
- Corporal punishment to the students is strictly prohibited. Insulting in public referring to their parentage, caste, community etc. by the teachers will be viewed seriously and necessary action will be initiated against erring staff
- Proper counselling should be done either by Housemaster or class teacher/Principal in case of any mistake like stealing, telling lies by the students.
- In case the student is not mending his behaviour it should be reported to his parents and after giving one or two chances for improvement, necessary action should be taken.
- Emotional behaviour of the students should be watched properly.
- Children in JNVs are admitted at the tender age of 9 to 13 years which is a pre-adolescent or adolescent age which need counselling and continuous guidance to become physically fit, mentally alert and emotionally balanced.
- The education process will be pleasant, attractive, and motivating to the child if firm trust is established between a child and the teacher. The bond of friendship and affection can be strengthened if the teacher understanding and sympathetic.
- Knowledge of the child psychology will help the teacher in understanding and dealing with children of different abilities, aptitudes and dispositions who come to JNVs from heterogeneous socio-economic background.
- The teacher is the best judge to identify any behaviour, emotional, social, language problem in child and to provide proper stimulus, appropriate activities, necessary guidance, and plentiful insight.
- Each teacher should be a guide, friend, and counsellor to a child only then he/she contributes to overall development of children.
- Student's problem must be listened patiently, politely and solved.
- Housemasters should ensure that the students get their daily use items and all other assistances in time.
- Suicidal tendencies may be deep rooted. Family history plays an important role. All housemasters should collect the family history of the child through informal chitchat with the child/guardian/visitors and will keep a record. They should invariably inform the Principal.
- Generally, the suicidal incidents take place due to the child being over protected at

home, feel badly homesick, gets disturbed. Unable to tolerate fear of getting fail, fails to come up to expectations of their parents, extreme humiliation by the fellow students/teachers/principal etc. These may be taken care of.

- Vidyalaya should develop a good social, authentic and environment friendly education climate
- If any child is noticed disturbed, he should never be left alone. His attention should immediately be diverted in an activity of his choice.
- Awards to good students play effective role than punishment. Children should not be scolded in public on their mistakes
- The prefects should be given more responsibilities. They should be made responsible/ Accountable for the duties assigned to them
- Shy, isolated, neglected children should be identified and watched and they are taken care of properly.
- Children on account of family disturbance like separations of parents, family, etc. are to be specially attended.

02(d) Safety Measures during Travels:

- Escorting teacher should always be watchful to ensure that all students are present in their respective berth/seats.
- Lady teachers will invariably escort when girls are travelling. Even if there is one girl, there must be a lady teacher.
- Minor first aid, medicine/materials is to be kept with the escort to meet in emergency of sickness.
- The students must keep valid identity card during journey. Children should never be sent unescorted.
- Food articles sold through unauthorized vendors is to be avoided
- Strict instructions to be given to be children not to move outside the compartment without escorting or to get down at the station.
- The escorting teacher must invariably travel in the class of accommodation and in the same compartment of the students.
- In case the party is very large, students be divided into groups and one escort to each group deputed who will be responsible for the group.

02(e) General Safety Measures:

- Broken furniture, naked iron rods etc. should be kept where there is no frequent movement of the students.
- Students should be forbidden to keep any type of weapons, toxic drugs, Pornographic books, and photographs etc. with them. Surprise checking should be done quite often.
- Very often students come late to the class during short breaks. No students should be allowed to go the dormitory during small break without permission of the House Master
- Proper drinking water is to be provided during class hours. Students should be kept fruitfully busy so that they may not indulge themselves in indiscipline activities
- Adequate care is to be taken while working in Science laboratory. Handling of glassware or heating of things must be done carefully.

- Since the Vidyalaya is having a very vast campus there may be chances of having long grass and marshy areas, bushes etc. Care should be taken to clean weeds and bushes all through the campus and marshy areas should be filled with soil or sand to avoid any mishaps. Steps must be taken to utilize the whole land for one or the other purpose.
- Entry to the campus should be ensured from one main gate only. There should be a gate book where entries of outsiders/visitors should be made.
- Only the 2nd Saturday of every month may be fixed to meet parents/outside.
- Meeting of parents individually with the Housemaster and teachers may be organized to brief about the child.
- Entry of movements of animal like stray cattle, dogs, pigs etc. should be checked inside the campus
- Cases of molestation of students must be viewed very seriously. The Principal should without delay provide a complete report to their Regional Offices and the NVS Headquarters so as to enable the Samiti to take necessary disciplinary action against the culprits. Under the provisions of summary trial already notified, Commissioner, NVS, can terminate the services of any employee indulging in acts of moral turpitude.
- Migrated children must be made feel at home. The Principal and the teachers must accord top priority to this issue as Samiti has been receiving several migration related complaints leading to clashes

02(f) Precautionary Measures For The Safety, Security & Protection Of Girl Students

- Adequate precautions should be taken with regard to the movement of girls inside the Vidyalaya campus at night. Focusing/Flood lights should be arranged around the girl's dormitory.
- Students should be divided into groups (each group consisting of 10 students) and one senior girl be nominated as leader of the group who will assist the House Mistress in keeping close supervision over the movement and problems of the girls of that group.
- It may please be ensured that bolts of doors and windows of the girls dormitory are properly maintained. The head girls of the dormitory should be instructed to ensure that the dormitories are bolted from inside before the girls go to bed
- Collapsible gates may be fixed to the entrance of girls' dormitory which should be locked late in the evening. One of the keys should be kept with the head girl of the girls dormitory concerned.
- Complaints of girls' students and Housemaster regarding repairs of electric wires, renovation of doors, windows and toilets should be attended on top priority from the maintenance and repairs provision.
- Regular medical care should be provided to the girl students. Staff Nurse should invariably pay frequent visits to the dormitories during the day and late evening and maintain records of health of the girl students.
- Sick students should not be left alone in the dormitories during school hours/meals time, instead, they should be kept under supervision of staff nurse or a teacher.
- Regular medical check up of the girls is done every month and appropriate health records maintained for ready reference.
- No male member including Group D employees should be permitted to visit girls'

dormitories. In case of any emergent nature of work, the House Mistress should be informed and she should ensure that, girl student is not left alone in the dormitories. Any male staff asking girl students to interact with them out of classroom hours should take the permission of the Principal/HM.

- Outside Labours, plumbers, carpenters or any other workers engaged rooms, white washing etc. should not be allowed to work in the girls dormitories after 6.00 P.M. They should be allowed to enter in the girls complex along with a responsible teacher preferably a lady teacher/employee of JNV. In addition, such work should be done under the personal supervision of the Principal and lady teacher.
- As far as possible, the cleaning of girls' dormitories daily and bathrooms should be done by female employees.
- A register on the entry gate of girls dormitories should be maintained to check the movement of male workers to the girls dormitories .it should be maintained by the House Mistress / Head girl and periodically be inspected by the Principal
- The girls should not be permitted to visit houses of teachers in an exceptional case the students should get permission either from the Housemaster or from the Principal.
- Lady teacher should invariably be deputed to escort girl students while going on tours for participation of sports, games, cultural activities, and other related activities. A responsible female teacher should escort the girl students on migration. There should be one escort for a group of 10 girl students. Every additional group of 10 or less students will have an additional escort. It should be ensured that even if one girl is travelling there must be a female escort.
- All lady teachers particularly the House Masters/ Asstt. House Master should have a continuous communication with the girl students. Any problems reported by them immediately be brought to notice of the Principal and attended to.
- All the occupants of staff quarters are required to submit the list of their dependents staying inside the campus to the Principal. The said list may be updated regularly. Similarly the details of guests visiting the staff quarters are also to be recorded at the main gate with the Chowkidar and the Principal should be kept informed about visitors coming to the campus on day-to-day basis.

14 POINTS PROGRAMME ON SAFETY AND MOD PROFORMAE:

The following letters from NVS Head Quarters are to be referred for strict implementation:

- ***D.O. No. 2-18/2011-NVS(SA), Dated: May 18, 2011 (14 points programme)***
- ***F.No. 2-18/2011-NVS(SA.), Dated: August 4, 2011(implementation of 14 points)***
- ***F.No.2-18/2011-NVS(SA.), July 11, 2011 (MOD Duties)***

03. Appointment of Matron & Duties

1. NVS Noida Ir 1-13/2013-NVS(Estt)/1440 dt 13.11.2013 be implemented in letter and spirit appointing One / two Matron (One post of Matron where VI Std girls' strength is 25 and Two Matron when Girls' total strength exceeds 125)
2. 19 points '**Duties & Responsibilities**' of Matron associated with the post be referred & implemented.

04. Self-Defense Training for Girl Students in JNVs

NVS Commissioner instructions vide 7-6/2013-NVS(Com) dt 20.05.2013 rg. Implementation & Guidelines pertaining to Self Defence Training for Girl students be implemented

	<p>05. Appointment of Psychiatrist: A Professional Psychiatrist 's services be made available to every JNV as directed by NVS Ir 10-82/2013-NVS(SA) dt 28.11.2013 and any emotional/ personal/ psychological problems of a child be addressed to.</p> <p>IN ADDITION TO THE ABOVE SAFETY AND SECURITY MEASURES, THE PRINCIPALS ARE AT LIBERTY TO TAKE NECESSARY STEPS/MEAURES AS DEEM FIT BASED ON THE PREVAILING SITUATIONS.</p> <p>MOD FORMATS(ANNUEXURE-V)</p>
61.	<p>ANNUAL STOCK VERIFICATION:</p> <ol style="list-style-type: none"> 1. In the first week of March of every year, stock verification committees in respect of all stocks are to be constituted for cross checking the physical stock with that of the register. 2. Stock verification is to be completed by 31st March and the committees are expected to submit the report by highlighting the following points: <ul style="list-style-type: none"> • Actual position of physical stock with reference to the stock register • List of items for which shortage is noticed along with quantity • List of items which are found in excess • List of items which can be repaired and further used • List of unserviceable items to be condemned along with other details in the prescribed proforma to the Principal, who in turn will verify and take necessary action as per the guidelines of NVS. 3. The items, which may be condemned at the JNV level may be done regularly. 4. Used unserviceable text books, beyond the life span, are not to be stored in the library, which is the source of knowledge and information. They are to be disposed off as per norms 5. Sparing a room only for dumping items to be condemned is strictly against the norms. Either they are to be repaired and used or to be disposed off as per norms. 6. WITH REGARDS TO THE CONDEMNATION OF ARTICLES THE NVS HEAD QUARTERS LETTERS CIRCULATED FROM TIME TO TIME SHOULD BE STRICTLY IMPLEMENTED.
62.	<p>MESS MANAGEMENT:</p> <p>Vidyalaya Mess and its effective functioning plays a vital role in the success story of the Vidyalaya and paves the path in promoting discipline among the students. In this regard, the following points to be implemented:</p> <ol style="list-style-type: none"> 1. Students should be in proper Uniform during breakfast and lunch on all working days and in decent dress during dinner and on holidays. 2. Permanent house-wise seating arrangement has to be made for all students to ensure the regular attendance.

	<ol style="list-style-type: none"> 3. A prayer may be conducted before every meal. 4. HMs / AHMs and MODs to ensure effective serving of food under hygienic conditions and zero level wastage of food. Staff associated with the house should dine with their wards and ensure table manners and food habits. 5. Sick students to be provided with special diet as per the instructions of Doctor / Staff Nurse 6. Tasting of food before serving to the students to be done by Staff Nurse regularly and a report in this regard and Menu served to be submitted to the Principal on daily basis. 7. Lighting arrangement in case of power failure, drinking water facility and washing facility are to be ensured 8. Safety and Security aspects in the mess as circulated by NVS from time to time, to be strictly implemented 9. Catering Assistant and Staff Nurse to ensure that health and hygienic conditions are maintained in and around the dining hall. Mess staff should be neatly dressed while on duty. Periodical medical checkup and personal hygiene of the mess staff are to be ensured by the Catering Asst. Catering Asst should give guidance to the cook in preparation of food so as to add taste and nutrients. 10. Mess meetings, as defined by NVS, to be conducted every month to discuss about the issues related to Mess and to suggest changes in the menu if necessary within the existing financial provisions to provide balanced and nutritious diet to children. 11. Vice Principal / Mess In charge should ensure the supervision of Procurement of provisions and other items. Purchase of cooked food items / snacks should not be entertained. 12. The verification board should verify and certify the quality and quantity of every item that comes to the Store.
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63.

HOUSE SYSTEM:

The effective management of a residential school depends upon the quality of the House system functioning in a school. A House consists of group of children effectively led by responsible teacher (House Master) who acts as a parent, guide, philosopher, and friend for every member of the House. A House inherently provides a family atmosphere in making the child physically fit, socially adjusted, emotionally balanced, and morally upright.

OBJECTIVES OF HOUSE SYSTEM:

The objectives of adopting House system in a Jawahar Navodaya Vidyalaya are to:

1. Provide a smooth transition from home life to school life;
3. Develop situations, which fulfil the social and emotional needs of the children;
4. Help socialization of pupils to integrate themselves well into corporate life;
5. Inculcate the sense of responsibility to take his tasks in life earnest and discharge them well;
6. Prepare pupils to play different kinds of roles as members of a group, community, or society;
7. Develop child's personality and integrity;
8. Develop the spirit of healthy competition among the children;
9. Inculcate the qualities of self-dignity, self-confidence and respect the others' views, opinions, and discretion to take their own decisions on issues and problems at hand;
10. Develop a sense of belongingness among the pupils and to create a sense of desire to live in harmony;
11. Benefit by bright example of others and benefit others by his own example;
12. Inculcate in the child, respect for seniors, elders, teachers, and a caring attitude towards juniors and fraternity towards all;
13. Learn to live and enjoy together and develop a degree of sensitivity for others feelings and needs.

FORMATION OF HOUSES:

As per NVS guide lines, two-tier system of House shall function in a Navodaya Vidyalaya-

- (i) Junior Houses for Classes VI to VIII
- (ii) Senior Houses for Classes IX to XII

In a full-fledged Vidyalaya, there will be four junior houses, four senior houses, and two houses for girls (one from classes VI to VIII and another from classes IX to XII).

Therefore, there will be eight House Masters for boys and two for girls. Average strength of a House shall be 50. Though all the girls in a JNV have been placed under two Houses (Junior and Senior) for effective supervision and management, both the Houses shall be further divided into four groups for the conduct of Inter House activities. Each group of girls of a Junior House shall be linked with a Junior House (boys) of the same House and similarly each group of girls of Senior House shall be linked with the corresponding Senior House (boys).

ALLOTMENT OF HOUSES:

Each child must be allotted a House on the day he/she is admitted to the Vidyalaya. The House of a girl or a boy should not be changed till he/she completes class XII. It is not advisable to reshuffle Houses every year, once a child joins a House, he/she should continue in the same House till he/she passes out of Vidyalaya.

HOUSE APPOINTMENTS AND DUTIES:

Each House (Senior & Junior) should have following appointments, which should be awarded to children on account of their good performance in every activity of the Vidyalaya-

House Captain - 1

House Vice-Captain - 1

Prefects - 2

Following Vidyalaya level appointments be made in consultation with all House Masters, for effective management of the Vidyalaya-

School Captain - 1

School Vice-Captain (boys) - 1

School Vice-Captain (girls) - 1

Both the above-mentioned appointments should be from senior most in a JNV. They should not hold any other appointment in their own Houses.

Duties and responsibilities of School Captain, House Captain, and Prefects are suggested below-**a) School Captain:**

1. Maintains good personal conduct and behaviour in the Vidyalaya;
2. Receives roll call and list of absentees from House Captains before submission to Duty Master/Principal;
3. Maintains full control and good discipline during Vidyalaya level activities with the help of house captains and prefects;
4. Ensures proper discipline in dining hall, morning assembly, and at all other places where all the children of the Vidyalaya assemble for any activity;
5. Is a permanent member of mess committee;
6. Carries out all responsibilities assigned by the principal of the Vidyalaya.

b) House Captain:

1. Ensures that the house maintains punctuality in all specified activities as per daily routine;
2. Conducts roll-call of the house during morning assembly and evening games and reports the same to school captain/ housemaster;
3. Supervise 'preparation' or self-study in case same is carried out house wise;
4. Ensures that all the children in the House devote sufficient time for studies in order to improve their own performance as well as overall academic performance of the House;
5. Reports absentees and sick children to the housemaster every day;
6. Controls his/her house during the conduct of all inter-house activities;
7. Ensure that maximum number of children take part in various co-curricular, sports/games, pace-setting and other activities planned in the Vidyalaya;

8. Assists housemaster in selecting best talent of the house for participation in inter-house competitions;
9. Ensures cleanliness around his/her House;
10. Maintains good personal conduct and ensures proper discipline in the House;
11. Reports to housemaster in case he/she observes any unusual behaviour (such as persistent depression, rebelliousness continued sickness etc.) On the part of any student of the house;
12. Ensures good discipline in the dining hall during the meals;
13. Carries-out all other duties assigned by housemaster/vice principal/principal

c) Prefect:

House Captain of the House shall share his duties and responsibilities with the House Prefect with the approval of Housemaster.

PLANNING FOR INTER-HOUSE COMPETITIONS:

- House Master is personally responsible that boys/girls of his House take part in all Inter House CCA & sports/games activities in the Vidyalaya.
- He is supported by Associate House Masters and Tutors who are attached with him for proper management of the House.
- House staff (House Master, Associate House Master, Tutor) should take pride in grooming various teams for Inter-House activities in order to win various trophies and awards.

AWARD OF POINTS FOR ACTIVITIES:

For Inter-House activities, following pattern of awarding of points may be followed-

<u>Individual events</u>		<u>Group events:</u>	
First	- 4	First	- 8
Second	- 3	Second	- 6
Third	- 2	Third	- 4
Fourth	- 1	Fourth	- 2

A system of awarding of House points based on academic performance in class X & XII may be evolved and points earned by each student should be credited to the House to which he/she belongs.

CHAMPION HOUSE:

Every year by the end of February, points awarded for Inter House CCA and sports/games competitions (as well for all other Inter-House Competitions conducted in the Vidyalaya, e.g. wall-magazine, gardening, morning assembly, cleanliness etc.) to each House should be totalled up. Thus, points of a Senior House and corresponding Junior House are added together to declare a Champion House.

Vidyalaya should hold special function (Annual Day) where Champion House Trophy be awarded to a House.

ROLE & RESPONSIBILITIES OF HOUSE MASTERS & ASSOCIATE HOUSE MASTERS

ROLE & RESPONSIBILITIES OF HOUSE MASTERS:

A residential school revolves around an effective "House system" and real pillars of this system are House Masters. They provide leadership and parental guidance to the students who are residing with them in a **"HOME AWAY FROM THEIR OWN HOMES"**. Therefore the role of House Master / Mistress is of vital importance since the stature of residential school largely depends on how effectively a House Master can organize and manage his / her house.

DUTIES AND RESPONSIBILITIES OF HOUSE MASTER / MISTRESS:

General Duties:-

1. A Housemaster/Mistress will exercise a benevolent fatherly/motherly influence on the students.
2. He/she must create such a confidence in his/her students that they confide in him/her in all matters and treat him/her as local parent.
3. He/she will interact the students as frequently as possible and ensure that students speak to him/her without any fear in case of any problem.
4. He/she should be very affectionate and polite with the children and should avoid any physical punishment or scolding.
5. He/she will attend all sort of the well being, comfort and happiness of the students placed in his/her charge.
6. He/she will ensure to follow the instructions issued by Samiti, regarding (House System) under supervision and guidance of the Principal
7. He/she will be very courteous to the parents and create a confidence in them that their child is living in very safe and secure environment.
8. Have periodical interaction with Parents on PTC day and inform about the Academic Progress health and conduct of the child.
9. To ensure that he/she is always impartial and fair equally to all the students of his/her House.
10. He/she will ensure proper medical treatment in case of students of his/her house is unwell as per Safety and Security guidelines.
11. To ensure preventive measures for Safety and Security of each child of his house at all times in accordance with the guidelines of the Samiti under supervision and guidance of the Principal.
12. Interact with the children by providing regular Orientation on the important aspects of Safety precautions, guidelines, and principles to be followed.
13. He/she must ensure and educate all the students in respect of their moral values, Correct behaviour, self-discipline, turn out and punctuality.
14. The Housemaster need to be cautious of his/her own conduct, behaviour, character, habits, punctuality and sense of moral values at all times as the children looks up to teachers as her/his role models.
15. Care has to be taken to ensure that the dormitories are comfortable, safe and students need to be made aware of their conduct rules and regulations they expected to follow.
16. To ensure proper assistance of Associate Housemaster/Tutors/Matron by dividing duties on rotation basis related to house activities with the approval of Principal.

17. To brief Principal immediately in order to solve any problem of the house beyond his reach or domain.
18. To inculcate a sense of pride, belongingness and a healthy house spirit among the students of his/her house.
19. Carry out any other duty i.r.o. House system as assigned by the Principal.

Administrative Duties:

1. He/she must ensure proper cleanliness, upkeep of the dormitories and proper care of hygienic conditions of the premises of the house with the help of associated staff.
2. To supervise that all basic facilities like water, electricity, fans, furniture and beddings are available in the house. In the event of any shortage or malfunctioning he/she must report to the Principal to rectify the problem area.
3. Ensure proper maintenance of bath/toilets of the house. He/she should bring it to the notice of Principal immediately in case of any discrepancy.
4. As a head of the house, he/she is responsible maintaining discipline in the house at all times.
5. He/she ensures punctuality in the daily routine of the house from rouser to bedtime and in other organized activities.
6. Assigning responsibilities to all students on rotation so as to enable them to develop organizational ability, self-confidence, and qualities of leadership.
7. To ensure that under no circumstances house captains or senior students harass/rag juniors either in the house or in the school premises.
8. Conduct surprise checks and kit inspection periodically to ensure that the students do not keep any type of undesirable articles, obscene books and check on their cash etc.
9. To supervise his/her house during meals in dining hall. He/she must educate table manners to all students in dining hall during meals.
10. Arrange conduct of regular roll call in order to ensure the presence of the children in the house.
11. Maintain a personal file of each child in his house and a record of good and weak points in the personal file including family background.
12. All cases of indiscipline and unhealthy behaviour of the students are dealt with appropriately in consultations/approval of Principal instead of giving harsh punishment.
13. Arrange weekly/fortnightly house inspection of the Principal to assess the working of the house and motivate his team and wards.
14. Ensure proper issue of articles to the children in time and its maintenance
15. To select House Captain/prefect for his/her house on the basis of a fair selection process as per guidelines and assign responsibilities and duties of the house to them.
16. To conduct meetings of the House as and when necessary but at least one meeting in a fortnight.
17. To keep leave and sick record of all the students of his/her house.
18. He/she will ensure that the wards look after their cupboards and keep their clothes and belongings in a neat and orderly manner.
19. To ensure that the students emphasize on personnel hygiene and cleanliness, takes regular bath and hair cut, and clean uniform while in school.
20. He/she will supervise that all students get up and sleep on time.
21. Keep a close watch on all the activities and moments of the students particularly (off hours) i.e., Sundays and holidays and in night and report to the Principal about any incident.
22. Rounds are carried out even after the lights are off so as to ensure security and to keep the wards away from mischief.
23. All hostel activities will go under his/her active supervision under control of the Principal.

Academic Duties:

1. To keep an eye on the academic performance of the weak students of his/her house.
2. Coordinate/interact with tutorial incharge/subject teachers to look after the pupils academic performance of his/her house.
3. To ensure smooth conduct of self-study in the dormitory.
4. To provide help in reading, writing, homework, projects carried out by the students with the active support of tutors/Associate House Masters.
5. Counsel and guide the students regarding their performance in academic and co-curricular areas.
6. Interact and inform the parents about academic performance of the child on PTC Day.
6. To encourage bright students to help weak students of the house/class.
7. Inform Principal in case any child of his/ her house need special attention for academic improvement.
8. To ensure that the child attends the classes regularly.
9. To ensure availability of textbooks, note books and other stationery items to the children of his/her house.
10. To ensure that the children of his/her house attends library regularly so as to promote reading habits/skills and also to ensure to refer literature/reference books as per his/her requirement.
11. To keep a close eye on the progress chart of the children going to write CBSE Exam (X & XII) and fortnightly interaction with the subject teachers for remedial teaching, if need arises.

CO-CURRICULAR, GAMES AND SPORTS DUTIES:

1. Organize co-curricular activities as per the calendar of activities.
2. Train the inmates well to help participate them effectively in the activities.
3. To ensure participation of every child of his/her house in every competition co-curricular/games/sports activities organized in the school.
4. To select guide and train students for all inter House competitions with the active help of tutors and other teachers.

DUTIES OF ASSOCIATE HOUSE MASTER / MISTRESS:

1. To assist the housemaster in maintaining discipline
2. To plan, prepare the students and conduct activities inside and outside the Vidyalaya campus.
3. To discharge the duties of the housemaster when he is on leave or away on duty.
4. To strive to know each students of the house individually and assist him in the development of his character and personality.
5. To provide academic assistance to students to help them improve their academic standards.
6. To visit the house at least twice a day in arrangement with other colleagues to help the students maintain higher standards in cleanliness and hygiene.
7. To maintain the records of students assistance and issue
8. To check-up if all the assignment given to the child are completed on day-to-day basis.
9. To attend morning PT and evening games depending upon availability of the House Master
10. To organize house meeting and competitions.
11. To conduct regular round in consultation with the house master
12. To ensure a smart turn out of children in house
13. To take round of house after the lights are off
14. To take lunch with the children of their respective house
15. Any other duty i.r.o. House system as assigned by the principal

RECORDS TO BE MAINTAINED BY EACH HOUSE:**1. Students' Profile:**

This consists of the bio-data of the students. This must clearly specify the socio economic back ground of the child and also health and family problems if any. The ambition of the child must be known in order to guide them to achieve the same.

2. Attendance Register:

Every HM is expected to maintain an attendance register. Leave may be granted to a child on ill health/ other emergency. A leave must be sanctioned by the Principal on the recommendation of the HM. Any unauthorized absence must be brought to the notice of the Principal immediately. Any movement of the student from the house must be recorded in the movement register.

3. Movement Register:

All the movements of the students such as going on a leave, going on vacations and breaks, going on duty must be maintained in the house register. The movement register will have the following columns.

Name of the student	Date of leaving	Purpose	Escort	Date of return	Signature of the escort		Signature of the student	
					L	R	L	R

4. House Meeting Register:

Every House will have a house meeting register. Every house master is expected to conduct house meetings along with the associates. The minutes of the house meeting will be registered. The resolutions taken, the progress, shortcomings must be discussed and strategies must be made. All the house meetings are held in a democratic manner giving importance to the ideas of the main stake holders.

5. Academic Register:

This register is to be maintained to keep a track on the academic performance of the house inmates. The same may be transmitted to the Parents on the Parents day.

6. Counselling Register:

This register is to be maintained to keep a track on the change in the behavior of that particular inmate to whom some counselling is given. Any abnormal behavior on the part of the student must be handled carefully and the same may be entered.

7. Activities / Achievements Register:

This register records all the achievements of the house inmates in various activities like CCA, Games & Sports, Scouts and Guides, NCC etc.

8. Record of Students' behaviour:

As per the remodelled Assessment a record of students' behaviour may be maintained.

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ROLE OF TEACHERS AND PARENTS IN JNVs:**1. ROLE OF TEACHERS:**

A meaningful profile of teachers can be carved out of enlisting duties of a professional Navodaya teacher.

Children are admitted in class VI in Navodaya schools in the CBSE syllabus and they are predominantly from the vernacular mediums and rural areas. Since Navodaya Vidyalayas are residential & co-educational schools, the teachers ought to extend a deep sense of understanding and show parental care and affection. Thereby, they identify the latent talents and skills of the child. They are the custodians of the children vested under their care and take care of their psychological and emotional safety as well. Subsequently it is proved that wards from vernacular mediums stand first in class within three months of their inception. All these require qualities of head and heart.

Navodaya Teachers have to be not only competent but current by periodic updating of knowledge and skill. Navodaya teachers have to make learning an easy task for students. Navodaya teacher is a systematic planner of curriculum transaction with annual plan and unit plan as well. Remedial study hours provide flexibility to make improvements on the basis of feedback and continuous evaluation strategies.

Consistent value oriented teaching inculcates in the learner an urge to lead a healthy and meaningful life. Life skills such as empathy, sympathy, helping each other, problem solving, decision making and collaborative pursuits are acquired by the learner. Students acquire entrepreneurial attitude during their stay and study in Navodaya schools. Their classrooms, CCA and ECA provide ample opportunities.

Navodaya students spend a lion share of their time years in JNVs. It is indispensable that the teachers should develop a strong and continuous rapport with the students bestowed to their care. Here the teacher is objective regardless of their family or financial background.

Navodaya teacher must be a good counsellor. As adolescent children's minds are turbulent with stress, Teachers are to play a significant role in grasping things in the proper perspective and act as a guide. Hence children look upon teachers as their mentor.

A Navodaya teacher must be alert for the signs of physical and emotional problems that a parent might miss. Poor class performance can be a sign of such stress. Here teachers are required to have certain level of stress management. Teachers have to motivate the parents which in turn make parents recognize the real talent of their children.

Teachers are to play such a vital role in almost all aspects of students' life and development. It is apt to say that Navodaya teacher must be more than a computer, a book of knowledge, a parent, a friend, a guide, a philosopher, a role model and more than anything but everything to his/her students. Navodaya teacher is to be a responsible professional, accountable to the students, society and nation at large.

Profile of an Effective Teacher

- (i) He communicates warmth, understanding and empathy to his students
- (ii) He generates enthusiasm for learning in his classroom.
- (iii) He creates positive classroom learning environment through climate of acceptance,

caring, feeling of being safe and secure, etc.

- (iv) He makes effective use of his available time.
- (v) His positive attitude and beliefs have a powerful impact on student learning.
- (vi) He has effective communication skill.
- (vii) He values his pupils and accepts their opinions.
- (viii) He is democratic in his orientation and does not ridicule his learners.
- (ix) He is the master of his subject and is capable of giving explanations at different levels so that he can reach all his students.
- (x) He possesses conceptual clarity
- (xi) He has healthy attitude towards his profession.
- (xii) He constantly updates himself by gathering student feedback and self analysis.
- (xiii) He is more like a friend, philosopher, and guide to his learners.
- (xiv) He grows professionally by participating in special lectures, in-service workshop etc., so that he is in touch with the latest happenings in his field.

An effective teacher is thus, a multifaceted professional playing the different roles of a facilitator, curriculum creator, counsellor and a role model for his learners. He knows how to manage his stress effectively and takes pride in being 'teacher'

QUALITIES OF AN IDEAL NAVODAYA TEACHER:

1. He/She should identify himself/herself with the institution.
2. He/She must have the commitment towards his/her profession.
3. He/She must have positive attitude towards the system.
4. He/She must be sincere and punctual.
5. He/She should possess profound knowledge in the subject & lang. Competence
6. He/She must have the clear concept of the objective of Navodaya scheme.
7. Possess Effective Communication Skill.
8. He must use the latest teaching technique.
9. Democratic in approach.
10. Good rapport with Principal, fellow-workers, students, and Parents.
11. Good moral character.
12. Adopt need-based remediation for the slow learners.
13. He/she should know the role of a Principal, vice principal and teachers in the Navodaya Vidyalaya system.
14. He/She should be a learner.
15. He/She must have lot of patience. He/She should not loose his/her temper for simple reason.
16. He/She must be in a position to correlate his subject with other subject.
17. Must know the psychology of the students.
18. Readiness to admit the mistake.
19. Impartial towards his students.
20. Physically fit and mentally alert.
21. Must possess the organizing ability.
22. Should prepare his/her lesson well before entering into the class.
23. Should not adopt corporal punishment.
24. Friend, philosopher, and guide.
25. He/She should assist the administration in all possible ways.
26. Sense of humour.

2. Role of Parents In JNVs:

Parents are the key to the success of JNVs or for that matter any educational organization. Let parents and schools work together to build meaningful and effective relationship that recognize and respect the role of parents, students and teachers in educating each child.

When a child enters the Navodaya system at the tender age of 11 he is introduced to a new world entirely different from what he had experienced till then. The shared dormitories, mess, bathrooms and toilets, daily routines and the feeling of alienation of being sent away from home makes the parent child relation complicated. It is a tight rope walk for the parent and the situation needs to be handled with tact and sensitivity. It is the duty of the parent to help the child to adapt and assimilate the system smoothly. Just as parental communication with the child is important, communication with teachers and administrators is also important. To maintain good relation with the school, treat every member of the school community with decorum and respect. Recognize efforts, hard work and perseverance when you see it. The main forum for parental involvement in a school is the **Parent Teacher Council**. Parents must actively support the PTC. Open houses and scheduled parent meetings allow parents and staff to communicate one to one and for parents to get to know all the staff. By developing a school- parent team approach the students find it harder to turn parents against the school or follow a divide and rule manipulation. A good parent school relation helps the authority to solve disciplinary issues easily. The following activities may be taken by PTC on voluntary basis:

1. Arrange for local trips for the newly admitted Class VI / IX / XI children
2. Migration children are to be involved in various activities so as to imbibe local culture & heritage
3. Liason with neighbourhood industries / factories / hospitals for field visits.
4. Learned parents may give academic inputs in subjects like Maths & Science
5. Arrange for Career Guidance
6. Conduct Mock Exams for Professional Courses
7. Install RO plants for pure drinking water, Solar Water heaters for Hot water facility in bathrooms
8. Renovate old / Semi permanent buildings at JNV site for improving infrastructure facilities, Career Corner, Storage houses etc.,
9. Arrange and assist in organizing / conducting Medical Camps/ Medical Check-up for all inmates at JNV premises.

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VAC & VMC MEETINGS:**VIDYALAYA MANAGEMENT COMMITTEE (VMC) :****I. Main Purpose :**

For proper management of the vidyalaya with funds provided by the Samiti within the framework of the Policies/direction laid down by Society and Executive Committee.

II. Composition :

District Magistrate/Collector/Deputy Commissioner	- Chairman
District Education Officer	- Member
Executive Engineer of State P.W.D. (Building)	- Member
Principal of some local college or a Senior Secondary School preferably a residential school	- Member
Senior most teacher of the Jawahar Navodaya Vidyalaya	- Member
Member of public (whose nomination is to be approved by the Chairman, NVS who is the competent authority)	- Member
Chief Medical Officer of the district	- Member
Two representatives from parents (One male and one Female to be nominated by Chairman, VMC)	- Member
Principal, Jawahar Navodaya Vidyalaya	- Member Secretary

III. Functions/Powers of the Management Committee :

- (a) To exercise control over expenditure.
- (b) To prepare budget estimates for the next financial year
- (c) To make selection of staff for the vidyalaya on adhoc basis in accordance with procedure prescribed by the Samiti.
- (d) To exercise general supervision over the maintenance of discipline among the students as well as members of staff.
- (e) To exercise general supervision over the proper functioning of hostel and mess.
- (f) To make suggestion for any improvement.
- (g) To assist the vidyalaya to secure local assistance.
- (h) To scrutinize and approve the Annual Report of the vidyalaya.

IV. Tenure :

- (a) The tenure of the office the members of the Management Committee of a vidyalaya shall be 3 years but they will be eligible for re-nomination.
- (b) Member/office bearers of the VMC will continue beyond the term of 3 terms till the new committee has been re-constituted for a Committee of the newly started school for a limit period till a regular committee to be constituted.
- (c) The Chairman of a Navodaya Vidyalaya will be District Magistrate/Collector/Deputy Commissioner of the District in his ex-officio capacity. The Chairman may nominate some local Senior Officer, in case District Magistrate's Headquarters is located at some distance from the vidyalaya.

V. Frequency :

- (a) VMC shall meet at least 3 times in a year.
- (b) Special meeting may be called by the Chairman as and when necessary.

VI. Related Circulars :

- (a) NVS Hqrs. Circular No. 14-10/87-NVS dated 14th April 1987 Vide Page No. 464 to 466 of Compendium of Circulars (Volume-I).
- (b) Revised Composition circulated vide Circular No. 14-10/92-93/NVS (SA) dt. 30th May 2001 vide page No. 469 of Compendium of Circulars (Volume-I).

VIDYALAYA ADVISORY COMMITTEE (VAC)**I. Main Purpose :**

General supervision of the school within the frame work of rules and regulation and directives laid down by the Society and Executive Committee.

II. Composition

1	District Magistrate/Chief Secretary of Zila Parishad/ District Development Officer Zila Parishad/ Chief Executive Officer Zila Parishad	-	Chairman
2	Local M.P. to be nominated by Chairman, NVS.	-	Member
3	Chairman, Zila Parishad or his nominee from Zila Parishad (an elected representative only)	-	Member
4	Principal of a school/residential school (to be nominated by District Magistrate)	-	Member
5	District Education Officer	-	Member
6	One Educationist of the area to be nominated by the District Magistrate.	-	Member
7	District Executive Engineer (PWD)	-	Member
8	Principal of the Navodaya Vidyalaya	-	Member Secretary

III. Functions / Powers of the Advisory Committee :

- To assist the Samiti in making suggestions for any improvement of reforms in the academic or other procedure relating to the vidyalaya.
- To assist the vidyalaya to secure local assistance.
- To assist the vidyalaya to organize culture programme.
- To function as a bridge between the vidyalaya and local community.

IV. Frequency :

- VAC shall meet at least twice in a year.
- Special meetings may be called by Chairman of the Committee whenever needed.

V. Related Circulars :

- NVS Hqrs. Circular No. 5-17/89-90/NVS (ADMN) dated 12th Sept. 1989.
- Page No. 464 to 466 of Compendium of Circulars (Volume-I).

66. SWACHH BHARAT ABHIYAN:

The Abhiyan was launched by Hon'ble Prime Minister Narendra Modi on 2nd of October, 2014 at Rajghat, New Delhi with an aim to make India clean. Aim is to provide sanitation facilities to every family, including toilets, solid and liquid waste disposal systems, village cleanliness, and safe and adequate drinking water supply by 2nd October, 2019. It will be a befitting tribute to the Father of the Nation on his 150th birth anniversary. However, it has been clearly declared that the campaign is not only the duty of the Government but each and every citizen of the country is equally responsible to keep the nation clean or *swachh*. Swachhata Campaign period from 01 September 2017 to 17 September 2017 will be organized in all JNVs

In Navodaya perspective, We being a Residential System should also focus on Proper Sanitation, use of safe drinking water, good hygiene practices that enhance the well being of students, contribute to learning achievements and sustains a healthy school environment and equity at the same time. It

requires consistent efforts and effective channels of disseminating messages in the morning assembly, prayer time, house meetings, through interactions and CCA Competitions. Life skills-based Hygiene Education also helps the students to develop and practice proper hygiene.

ACTION TO BE TAKEN ON SANITATION & HYGIENE OF JNVs

1. Availability of separate toilets/urinals for Boys and girls, their cleanliness and maintenance is ensured at all times.
2. Use of safe and adequately available potable drinking water in the campus is ensured.
3. Health and hygiene of students viz. medical care, Health records, regular bathing, washing of cloths, proper turn out, is taken care at all times.
4. Visit of houses everyday by the HM/AHM/Staff Nurse and formal inspection once a week by the Principal/Vice-Principal and associated staff to ensure proper cleanliness, sanitation and turn out. The minutes of the inspection is recorded and made available to ROs/HQrs.
5. Cleanliness and maintenance of entire Vidyalaya campus as per guidelines issued.
6. The cleanliness and maintenance of internal roads, drainage system, sewer lines, septic tank, overhead tank, disposal of waste etc. is periodically carried out as per guidelines issued and report made available to RO/Hqrs.
7. The efforts are made to promote the awareness of Swachhata campaign at the cluster/ community / District level as pace setting activity and minutes recorded.
8. To arrange quarterly meeting with VMC, VAC to seek their cooperation and to tap the resources for further improvement of cleanliness, sanitation and hygiene in the campus.
9. A comprehensive report pertaining to self-awareness and change in behavioural aspects of students and staff towards the sensitization and institutionalisation of Swachhta campaign, be submitted.
10. Any suggestion/assistance/guidelines required, if any, at the level of ROs/Hqrs. for further improvement towards the Swachhta campaign, may be sought for further course of action.

EFFECTIVE IMPLEMENTATION OF SWACHHATA CAMPAIGN IN JNVs – CHECK POINTS

In order to prevail healthy school environment, proper sanitation, availability of potable drinking water, good health and hygiene, maintenance of school campus etc. are the key areas to take care. The following check points are suggested in this regard:

1. Sanitation

- ❖ Availability of separate toilets and urinals for Boys and girls.
- ❖ Availability of adequate water supply and functioning of toilets and urinals.
- ❖ Availability of requisite material for cleaning i.e. brooms, dusters, brushes, wiper, disinfectant (phenyl, harpic, naphthalene balls etc.)
- ❖ Provision of incinerator and niche to keep sanitary napkins in girls toilets.
- ❖ Availability of schedule of sanitation/inspection chart in a proper format in every toilet and its updated record.
- ❖ Provision of liquid soap for hand washing in every toilet.
- ❖ Maintenance of toilets and to avoid seepage/cracks, leakage in the toilets.
- ❖ Provision of proper lightening/exhaust fans facility in the toilets.
- ❖ Provision of proper doors with bolts/latches in the toilets.
- ❖ To develop a mechanism to ensure day to day cleanliness/ inspection and recording under the supervision of House Masters/House Mistress/Staff Nurse/MOD/PETs etc.

2. Potable Drinking Water

- ❖ Availability of sufficient potable drinking water at all the places in the campus from external/ internal sources.
- ❖ Availability of feasibility report for potable drinking water from District/State authority
- ❖ To check the leakage in water supply lines and to protect the same from soak pits/leach points/garbage etc.
- ❖ Updated record of cleaning, chlorination/bleaching of potable water being supplied through Overhead tank (OHT) or any other sources of water.
- ❖ Availability of RO's water in different parts of Campus.
- ❖ Safe handling and storage of drinking water should be practised.

3. Operations & Maintenance

(a) **Classrooms :**

- ❖ Daily cleaning/dusting of classroom furniture, black boards and availability of teaching aid material
- ❖ To check whether class notice board contain display of duty roster, schedule of organising weekly/fortnightly activities/any other relevant information.
- ❖ To check whether SMART classroom, computer lab, Art room, Music Room, activity room etc. are all operational.
- ❖ To ensure proper maintenance and systematic device to keep the classroom lively and a source of effective curriculum transaction in teaching learning process.

(b) Library/Labs./other activity rooms

- ❖ To check whether students and staff are making optimum use of library/labs/other activity rooms for promoting reading habits, scientific temper and adopting innovative practices in their day to day teaching/learning transaction.
- ❖ Computerization of catalogue of books & its issuance.
- ❖ To check whether equipments, chemicals, apparatus etc. are all adequately available as per CBSE instructions and being utilised judiciously under the supervision of concerned teaching faculty.
- ❖ The practical notebooks are available and updated record of practicals conducted is maintained and checked by the respective teachers.
- ❖ The cleanliness and maintenance of labs./library and other activity rooms is superb at all times.

(c) Houses/dormitories (Boys/girls)

- ❖ The schedule for cleanliness/sanitation of the houses and conduct of weekly/fortnightly/monthly activities is prepared and displayed on the notice board with the accountability of house appointments.
- ❖ To check whether inside and outside area of the houses is cleaned and maintained.
- ❖ To check whether clogged drains in and around the houses/courtyard etc. is cleaned and logging of water is removed.
- ❖ The provision of incinerator and niche to keep sanitary napkins is ensured in the girl's toilets
- ❖ Cleanliness/Upkeep and maintenance of toilets and urinals is ensured.
- ❖ Proper cleanliness and layout of bedding items is ensured.
- ❖ Proper turn out of students at all times is taken care.

- ❖ Availability of requisite material for cleanliness and maintenance with reference to toilet articles, uniform, bedding items etc. is taken care.
- ❖ To check whether all the doors, windows, almirahs are operational and maintained.
- ❖ To check whether any cracks/seepage/leakage in the bathroom/toilets/dormitories is existing. If so, necessary repairs/maintenance is taken care.
- ❖ To check whether termites in the house building, furniture, almirahs exists, if so, necessary measures for its removal are taken as per directions of the Principal.
- ❖ To check all manholes of sewerage lines and to get it cleaned and covered.
- ❖ To check whether habit formation for house maintenance, proper turn out, team spirit and attitude of belongingness is developed under the leadership of House Master/Mistress/AHM.

(d) Mess

- ❖ Availability of potable drinking water for washing, cooking and preparation of meals.
- ❖ To check the cleanliness and maintenance of inside and outside area of mess.
- ❖ Turn out of mess workers in inspection order with proper uniform, proper hair cut, nail cutting, personal cleanliness and hygiene
- ❖ To check all leaky taps, valves, flushing cisterns, blockage in the drains, sewage pipes, waste water pipe etc.
- ❖ To check for any cracks in walls and roofs
- ❖ To ensure cleanliness of roof top area to avoid seepage/leakage/logging of water/short circuit etc.
- ❖ To ensure quality, quantity of ration being cooked and level of preparation of food in the mess.

- ❖ To check pilferage, wastage of cooked food under the supervision of mess committee and Catering Asstt.
- ❖ Overall mess management.

(e) Cleanliness and maintenance of internal roads, drainage system, sewer lines, septic tank, over head tank and disposal of waste

- ❖ To ensure that internal roads are cleaned every day and garbage collected in the displayed dustbins and disposed off regularly.
- ❖ Open drains are cleaned weekly
- ❖ Sewer lines, septic tanks are cleaned monthly/quarterly.
- ❖ Overhead tank is cleaned and chlorinated fortnightly.
- ❖ To ensure that all the manholes of sewerage line are cleaned and covered.
- ❖ The requisite material for cleaning the drainage/sewerage lines/septic tank/OHT is made available to the Team of employees and proper record maintained.
- ❖ The disposal of solid waste should be converted into organic manure at the vidyalaya level.
- ❖ The blockage in the drains sewerage pipes, waste water pipes should not occur, if so necessary steps should be taken to get it cleaned.

(f) Playgrounds, Lawns, boundary walls

- ❖ Availability of necessary tools/device for cutting the grass, pruning the grown up plants along the boundary wall, internal roads etc.
- ❖ Likewise availability of necessary tools like grub-axe (Khurpi), spade (Phavda), pickaxe (Gainti), grass

cutting machine, sprinkling water pipes as desired for cleanliness and maintenance of playgrounds, lawns, gardens etc. in the campus.

- ❖ Lush green lawns at the entry point of vidyalaya, in and around the houses, mess and residential area
- ❖ Adequate water facility in playgrounds, lawns and along the boundary wall for their maintenance.
- ❖ It would be appreciated, if small nursery in the campus can be developed in consultation with Forest Deptt. and attractive gardens, flower pots, decorative plants be prepared and scattered in the campus to promote aesthetic sense and healthy environment.
- ❖ To organise and celebrate Van Mahotsav by inviting District Forest Officer and other dignitaries to gear up the maintenance of greenery & plantation in the campus.

(g) Health and hygiene

- ❖ To check & ensure the availability of part time doctor in the campus.
- ❖ Availability of MI room and essential facilities to attend the sick children as per requirement.
- ❖ Availability of staff nurse
- ❖ To attend the sick children by staff nurse and provide necessary medical aid at all times.
- ❖ Visit of staff nurse to all the houses to ensure health hygiene and medical care of all the students.
- ❖ To keep records of health and hygiene of all students
- ❖ To ensure quality & quantity of food being provided to the students in terms of meeting their requirement and keeping good health without any ailments, under the supervision of School Doctor/Staff Nurse.
- ❖ To provide potable water in the mess and all around in the campus for drinking purposes.
- ❖ To ensure proper turn out of students at all times.

(h) Involvement of stakeholders

- ❖ To check the constitution of various committees and their operation at various levels.
- ❖ Preparation of schedule and adherence by stakeholders.
- ❖ The outcome of organised activity in the interest of institution.
- ❖ To ensure involvement of all stakeholders and share their experiences to promote clean and healthy environment.

(i) Behaviour change & Capacity Building

- ❖ The impact of change in behavioural aspects to acknowledge the optimistic approach for Swachhata campaign amongst the students and staff.
- ❖ Whether general awareness and acceptance towards Swachhata campaign is promoted and all stakeholders ensure to keep the campus neat, tidy, lively to prevail healthy environment.

SOME KEY PRINCIPLES FOR SWACHHATA CAMPAIGN

- ❖ Educate students about proper toilet use and hand washing including washing hand before meal and after toilet use.
- ❖ Integrate hygiene messages in school curriculum like morning assembly, prayer, subject classes etc.
- ❖ Inform students about the changes they will undergo during adolescence and provide space for girls to talk about menstruation and learn about menstrual hygiene
- ❖ Encourage students to consistently use, operate and maintain school water, sanitation and hygiene facilities
- ❖ Support students in taking an active role in keeping up hygiene practices, both in school and at home.
- ❖ Ensure that soap and water are always available near hand washing places, wash basins in toilets/urinals
- ❖ Encourage participation of students, teachers in "clean school campaign" including planning, monitoring, operation, evaluation, maintenance and behavioural change.
- ❖ Organise Annual health check up of students and supervision of de-worming medicines.
- ❖ Encourage parents to participate and contribute to the JNV programmes by involving in planning and oversight for Swachh Vidyalaya campaign.

Guidelines for implementing Swachhata campaign in JNVs

In order to sustain healthy school environment in the co-educational residential set up of JNVs, life skills – based hygiene education is essential. In fact proper sanitation, use of safe drinking water, good health and hygienic conditions will attribute to the conducive environment for staying in dormitories and studying in JNVs. Navodaya Vidyalaya Samiti has framed certain guidelines for smooth and effective implementation of Swachhata campaign in JNVs.

A. Constitution of various committees to extend participatory contribution with the involvement of all stakeholders.

a) At House Level:-

- i) House Master/Associate House Master
- ii) House Captain/Vice-Captain
- iii) Four students

Duties & responsibilities:-

- Preparation of monthly schedule for cleanliness/sanitation involving all the students in rotation.
- To ensure availability of cleaning material (brooms, brushes, phenyl, naphthalene balls, duster, dustbin etc.)
- To ensure availability of adequate water, toilets/urinals in functioning order
- The level of cleanliness/sanitation carried out by Safai Karamchari everyday.
- Update record/inspection reports available in the earmarked register and on charts provided in the toilets/urinals at various places.
- The suggestions for improvement, if any are attended and rectified.

b) At Vidyalaya Level:-

Composition of committee: (15 members):

- i) Principal
- ii) Vice-Principal/ Senior Most Teacher
- iii) School Captain,
- iv) House Captain of each House (10 Houses),
- v) Catering Assistant
- vi) Office Suptd./UDC

Duties & responsibilities:-

- Preparation of monthly schedule for cleanliness/ sanitation of entire campus specifying the areas for cleaning on particular dates
- The areas earmarked for cleanliness in the campus are houses/dormitories, mess, school building, guest house, play ground, staff quarters, boundary walls area, principal's residence etc.
- To ensure availability of cleaning material (brooms, brushes, phenyl, naphthalene balls, duster, dustbin etc.) and tools for grass cutting, pruning, watering, plantation etc. to the engaged work force.
- To ensure availability of adequate water, toilets/urinals in functioning order
- The level of cleanliness/sanitation carried out by work force.
- In order to accomplish the task of cleanliness/sanitation and maintenance of the entire campus, the engagement of additional work force on need based may be required.
- The Principal may engage the additional manpower on the optimal wages for a day or so and meet out the expenditure incurred from the available contingencies.
- Theme based cleanliness drive be organised weekly/fortnightly in the vidyalaya with the assistance of all stakeholders, students.
- It is necessary to hold periodical meetings and assess the progress of sanitation, hygiene in the campus and suggestions, if any may be reviewed and attended regularly.
- The meetings so held may be recorded and keep intact for further inspection by the officials/visitors etc.
- Updated record/inspection reports are available in the earmarked register and on charts provided in the toilets/urinals at various places.
- The suggestions for improvement, if any are attended and rectified.
- Adherence of all the circulars issued by MHRD/NVS Hqrs. From time to time pertaining to Swachhata campaign in letter and spirit.
- Above all, the importance of dignity of labour, self-awareness, nation-wide mission for Swachhata be inculcated at various forum amongst the staff and students.

**REFER ANNEXURE-VI FOR THE REPORTING FORMATS OF
SWATCH BHARAT ABHYAAN**

NAVODAYA VIDYALAYA SAMITI
PROFORMAE OF PANEL INSPECTION REPORT
 REGIONAL OFFICE, _____

ANNEXURE-I

JNV: _____

District: _____

Date of Inspection: _____

Members of Panel Inspection Team:-

Sl.No.	Name	Designation	Address	e-mail ID
1.				
2.				
3.				
4.				

Sl.No.	Name of the Principal/VP	Name		Subject at P.G. level	Date of Joining in the JNV										
1	Principal														
2	Vice-Principal														
3	Address of JNV with pincode														
		Telephone No	Fax No	e-mail ID	Web-site.										
4	Staff Position	PGT		TGTs	Misc.										
I) Teaching Staff	Sanctioned:														
	Posted (regular):														
	Vacancy:														
	Posted(Contract) (Subject wise details)														
II) Non-Teaching Staff	Sanctioned:	SN	OS	UDC	LDC	SK	CA	LA	ECP	Cook	MH	SCC	CH	Mat	Dri.
	Posted														
5	Highest class & Name of stream														
6	Student's Strength (as on date)			Boys		Girls		Total							
		Enrolled													
		Present													

7		Computer status	Total no of Computers	Functional		Non-functional	
	Availability of Internet Broadband	Presently available connection (Dialup/Broadband/Leased Line/WIMAX/Data Card/Mobile	Current Plan running of internet	Limited or Unlimited Plan	Approximate speed of Internet connection presently available		

Proforma 'A'

INSPECTION AND SUPERVISION, ACADEMIC ASPECTS

(A critical impression as a whole of the teaching learning situation as observed by the Inspectors may be recorded)

Sl.No.	Aspects	Observations	Suggestions
1	Institutional Plan		
2.	a) Morning physical training/exercises		
	b) Morning assembly		
3	Inspection, supervision & monitoring of Academic activities by Principal		
a)	Maintenance of supervision diary		
b)	Visit to classes.		
c)	Checking of correction work.		
d)	Contribution in subject committees.		
e)	Monitoring of CCE		
4	Inspection, supervision & monitoring of Academic activities by Vice-Principal		
a)	Maintenance of supervision diary		
b)	Visit to classes.		
c)	Checking of correction work.		
d)	Contribution in subject committees.		
e)	Monitoring of CCE		

ACADEMIC PERFORMANCE								
5.	CBSE Results of Class XII (last three years):							
	Year	Appeared	Passed	Pass %	%1 st Div	% of Dist.	Remarks	
1.								
2.								
3.								
6.	CBSE Results of Class X (last three years):							
	Year	Appeared	Passed	Pass %	% of CGPA 10	% of CGPA 8 - 9.8	Remarks	
1								
2								
3								
7.	Results of other Classes (Previous year):							
	Classes	Appeared	passed	Pass %age	Percentage of CGPA 10	%age of CGPA 8 to 9.8		
1	VI							
2	VII							
3	VIII							
4	IX							
8.	XI	Appeared	Passed	Pass %	%1 st Div	% of Dist.		
9.	Results of recent PWT/Half Yearly/Yearly							
	Class	Subject	Appeared	No. of students with overall grade				
				A1	A2	D	E1	E2
	VI	English						
		Maths						
		Science						
	VII	English						
		Maths						
		Science						
	VIII	English						
		Maths						
		Science						
	IX	English						
Maths								

		Science						
	X	English						
		Maths						
		Science						
	Class	Subject	Appeared	Below 40%	Above 60%	Above 75%		
	XI	English						
		Maths						
		Physics						
		Chemistry						
		Biology						
		Econo./Hindi						
		Accountancy/Bio-Tech						
		History/Comp. Science						
		Geography/IP						
	XII	English						
		Maths						
		Physics						
		Chemistry						
		Biology						
		Hindi						
		Accountancy/Bio-Teach						
		History/Comp. Science						
Geography/IP								
10	Evaluation :-							
	Aspects		Observations		Suggestion			
a)	Conduct of PWT/UT as per Perspective Academic Planning (Planning of tests, its frequency, diagnostic and remedial aspects, student's involvement.							
b)	Maintenance of records of different assessment of PWT/UT and Co-scholastic activities.							
c)	Maintenance of different rules of CCE Assessment							
d)	Remedial teaching (timetable along with list of weak students and action plan be provided).							

	Aspects		Observations			Suggestion
e)	Enrichment Programme: (Detailed action plan be provided along with list of bright students identified.					
f)	Innovations and experimentation in teaching learning process.					
g)	Effectiveness of supervised studies etc.					
h)	Use of ICT and no. of teachers using ICT/PPT in the day-to-day teaching-learning process.					
11	Library management (Details of time table, number of books, newspapers, magazines, VCD, DVD and other activities undertaken along with furniture available be provided).					
a)						
b)	Record of books issued to the students & teachers.					
c)	Library based activities conducted to promote book reading					
12	Management of textbooks and stationery etc. (shortage of items be pointed out)., if any.					
13	CCA :					
	1. Literary Activities a. Calendar of Activities b. Record of activities conducted. c. Performance					
	Class	Total No. of Students	No. of students participated in various literary activities.			Observation & Suggestion
			Vidyalaya Level	Region Level	National Level	
	VI					
	VII					
	VIII					
	IX					
	X					

2. Art in Education		a) Visual Arts (Fine Arts) Name of AE workshop :				
Class	Total Strength	No. of students participated in painting Competition.			Observation & Suggestion	
		Vidyalaya Level	Region Level	National Level		
VI						
VII						
VIII						
IX						
X						
		b) Performing Arts (Music etc.) Name of AE workshop :				
Class	Total Strength	No. of Students			Observation & Suggestion	
		Can play any instrument	Can sing vocal	Can perform any dance form		
VI						
VII						
VIII						
IX						
X						
3. Games and Sports :						
1. Maintenance of Playgrounds :-				Observation & Suggestion		
2. Record of Inter House Competitions conducted as on date						
Class	Total Strength	No of students participated in				Observation & Suggestion
		Cluster Meet	Regional Meet	National Meet	SGFI	
VI						
VII						
VIII						
IX						
X						
XI						
4. NCC (Details regarding troops in existence)						

	5. Scouts and Guides : (Details of activities undertaken)	No. of Scouts : No. of Guides : Name of Scout Master : Name of Guide Captain : Activities : Awards qualified for with no. of S & G :	
	6. Club Activities :	1. 2. 3. 4.	
14	School Labs :-		
	(Maintenance/equipment/conduct of Practicals & records Maintained) Phy./Chem./Bio./ Maths/Geog./ Comp. Science/ Language etc.		
15	Subject-wise/ Class-wise list of Practical conducted as on inspection date.		
16	Pace Setting Activities undertaken.		
17	Affiliation to CBSE :	Affiliation No. : Valid Up to :	
18	Implementation of migration policy and Illrd Language		

ADMINISTRATION & ESTABLISHMENT

	Aspects	Details	Suggestions
1	VMC and VAC meetings: (Constitution and conduct of meetings conducted during the year. Dates of meetings and follow up action).		
2	PTC Constitution and conduct of meetings (with dates and follow up action) :-		
3.	Grievance box installation: (Its operation and follow up action)		
4	Maintenance and repairs of vehicle and action taken for condemnation /auction, if required.		
	Aspects	Details	Suggestions
5	MOD reports proforma whether maintained and signed by principal on to day basis or not.		
6	Stock registers/maintenance of stores.		
7	Implementation of Daily Routine including Sundays and holidays as prescribed in PAP		
10	Safety and security		
i)	ATR & follow up action on 14 points & submission of report to R.O timely.		
ii)	Whether security threats in & around the campus have been identified or not, if yes, mention the same		
iii)	Problems, if any along with ATR .		
iv)	Attendance/ Roll call System: Timings of attendance, (attach details of attendance on the day of inspection.)		

v)	Locking system of dorms & school building in day & night time.		
11	Maintenance of service books & Details of Disc. Committee and maintenance of records		
12	Pending disciplinary cases of Staff		
13	Pending Court cases with details.		
14	Action taken for condemnation of articles		
15	State of Interpersonal relations in the JNV		

RESIDENTIAL COMPONENTS

Sl.N	Aspects	Observations	Suggestions
1	House management:		
a)	Formation of houses (Whether formed as per the guidelines of NVS or not)		
b)	Organization of Inter House Activities i) CCA		
	ii) Sports & Games		
	iii) Other competitions		
c)	House Meetings (periodicity) i) Principal with HMs		
	ii) Principal with House Perfects		
	iii) Visit to dormitories by Principal and record of observations made		
2	Dormitories		
i)	Cleanliness of dorms and its surroundings		
ii)	Upkeep of toilets & Bathrooms		
iii)	Electricity & water		
3	Uniforms/ bedding and daily use items (Whether provided as per norms)		
4	Health Care		

a)	Availability of part time doctor and alternative arrangement, in case, part time doctor not available, record of visits.		
b)	Visit record of Nurse to dormitories/Mess/Toilets and bathrooms		
c)	Maintenance of MI room & availability of essential equipment, Common Medicines etc. & stock register.		
d)	Maintenance of Health records and quarterly checkup of students.		
e)	Maintenance of daily record of sick students.		
f)	Maintenance of record of sick students referred to hospital/ parents etc.		
5.	Mess management		
a)	Quality and preparation of food.		
b)	Dining system and discipline inside dining hall.		
c)	Health and Hygiene (maintenance & cleanliness of toilets, bathrooms and surrounding area of mess).		
d)	Mess Store Management. Arrangement of food items, cleanliness etc		
e)	Maintenance of mess stock Registers.		
f)	Monthly expenditure, preparation of DCR, whether average expenditure is within budget limit or not.		
g)	Formation of Mess Committee and Regular conduct of meetings and record of committee minutes.		
h)	Mess menu and its display		
i)	Availability of drinking water in Mess.		

FINANCIAL MANAGEMENT

Sl.N	Aspects	Observations	Suggestions
1	Maintenance of cash book/ledger		
2.	Adherence to purchase procedures.		
3.	Position of utilization of funds as per budgetary provision & submission of monthly expenditure statement to Regional Office.		
4	Settlement of internal / AG Audit and external Audit objections. Dates of latest conduct of the audit (both)		
a)	No. of outstanding paras as on date Internal Audit(IA)/ AG Audit (AG).		
5.	Maintenance of other records like Asset Registers/ T.A., /medical reimbursement/Advances etc.		
6	Pending cases of T.A., medical settlement of advances etc.		

Construction

Sl.N	Aspects	Observations	Suggestions
1.	Land. • Number of acres available		
	• Whether transferred to Samiti or not)?		
2.	Phase of construction works. i) Completed, In progress. ii) Pending		
3.	Development works being taken up		
4.	Water supply, availability of OHT, UGS, PHE facilities etc.		
5	Electricity/ availability of transformer (Rural/Urban feeder etc. capacity of transformer).		
6.	Progress of M&R works, whether undertakes as per latest instructions of NVS (Hqrs.).		
7.	Position of expenditure on M&R till date & total budget allocation, submission to R.O. quarterly expenditure statement.		
8.	M & R Committee and frequency of meetings.		
9.	Maintenance of M & R, complaint register etc. as per NVS Head Quarter instructions.		

OVERALL OBSERVATION OF THE VIDYALAYA

Date:

Name & Sign. of Panel Inspection Team

1. Name_____ Sign. _____
2. Name_____ Sign. _____
3. Name_____ Sign. _____
4. Name_____ Sign. _____

PANEL INSPECTION REPORT**ACTIONS TO BE TAKEN AT PRINCIPAL'S LEVEL**

Sl. No	Area	Observations	Action to be taken
1.	Academic 1. 2. 3. 4. 5. 6. 7. 8.		
2.	Administration 1. 2. 3. 4.		
3.	Residential component 1. 2. 3. 4.		
4.	Finance 1. 2. 3.		
5.	Construction 1. 2. 3.		

Asstt. Commissioner

PANEL INSPECTION REPORT**ACTIONS TO BE TAKEN AT RO / Hqrs. LEVEL**

Sl. No	Area	Observations	Action to be taken
1.	Academic 1. 2. 3. 4. 5. 6. 7. 8.		
2.	Administration 1. 2. 3. 4.		
3.	Residential component 1. 2. 3. 4.		
4.	Finance 1. 2. 3.		
5.	Construction 1. 2. 3.		

Asstt. Commissioner

CLASS OBSERVATIONS BY PRINCIPAL / VICE-PRINCIPAL

Sl. No	Designation	Name of Teacher	Date of observation	Important Observations	Suggestions given
1	PGT (Eng)				
2	PGT(Hindi)				
3	PGT(Phy.)				
4	PGT(Chem.)				
5	PGT(Bio.)				
6	PGT(Maths)				
7	PGT(C.S.)				
8	PGT(Hist.)				
9	PGT(Geog.)				
10	PGT(Eco)				
11	PGT(Comm.)				
12	TGT(Eng.)				
13					
14	TGT(Hindi)				
15					
16	TGT(IIIrd Lang)				
17					
18	TGT(Maths)				
19					
20	TGT(Sc)				
21	TGT(S.St)				
22	Music Tr				
23	Art Tr				
24	PET(M)				
25	PET(F)				
26	Librarian				
27	FCSA				

Signature of Principal

CLASS ROOM OBSERVATIONS BY PANEL INSPECTION TEAM

Sl. No	Subject	Name of Teacher	Important Observations	Suggestions given
1	PGT (Eng)			
2	PGT(Hindi)			
3	PGT(Phy.)			
4	PGT(Chem.)			
5	PGT(Bio.)			
6	PGT(Maths)			
7	PGT(C.S.)			
8	PGT(Hist.)			
9	PGT(Geog.)			
10	PGT(Eco)			
11	PGT(Comm.)			
12	TGT(Eng.)			
13				
14	TGT(Hindi)			
15				
16	TGT(IIIrd Lang)			
17				
18	TGT(Maths)			
19				
20	TGT(Sc)			
21	TGT(S.St)			
22	Music Tr			
23	Art Tr			
24	PET(M)			
25	PET(F)			
26	Librarian			
27	FCSA			

Name & Sign. of Panel Inspection Team

1. Name _____ Sign. _____
2. Name _____ Sign. _____
3. Name _____ Sign. _____
4. Name _____ Sign. _____

CLASS SUPERVISION PROFORMA FOR PRINCIPAL / VICE-PRINCIPAL

JAWAHAR NAVODAYA VIDYALAYA, _____

Name of the Teacher: _____ Desig. _____

Class: _____ Date: _____ Subject: _____ Topic: _____

No. of Students in the Class: _____ Present: _____ No. of High Achievers: _____

EFFECTIVE CLASS ROOM INSTRUCTION CHECK LIST

- | | | | |
|--|------------|-----------|------------|
| I. Teacher Preparation: | YES | NO | N/A |
| A. Lesson plans prepared & submitted: | _____ | _____ | _____ |
| B. Use of technology (ICT): | _____ | _____ | _____ |
| C. Teaching aids prepared and appropriate: | _____ | _____ | _____ |
| <i>Comments on A to C:</i> | | | |

- | | | | |
|---|------------|-----------|-------|
| II. Classroom Management: | YES | NO | |
| N/A | | | |
| A. Uses appropriate Methodology: | _____ | _____ | _____ |
| B. Uses appropriate example & Illustrations: | _____ | _____ | _____ |
| C. Positive interaction with students: | _____ | _____ | _____ |
| D. Questions well delivered & divergent: | _____ | _____ | _____ |
| E. Provides enrichment/remediation: | _____ | _____ | _____ |
| F. Uses appropriate verbal communication: | _____ | _____ | _____ |
| G. Uses appropriate non-verbal communication: | _____ | _____ | _____ |
| H. Gives clear directions: | _____ | _____ | _____ |
| I. Appropriate Time Management: | _____ | _____ | _____ |
| J. Checking of Home work/assignment/Project work: | _____ | _____ | _____ |
| <i>Comments on A to J:</i> | | | |

- | | | | |
|-----------------------------------|------------|-----------|------------|
| III. Physical Environment: | YES | NO | N/A |
| A. Clean/Attractive & Safe: | _____ | _____ | _____ |
| <i>Comments on A</i> | | | |

- | | | | |
|--|------------|-----------|------------|
| IV. Innovations/Experimentation: | YES | NO | N/A |
| A. Uses Innovative Techniques: | _____ | _____ | _____ |
| B. Collects/Processes data for research oriented learning: | _____ | _____ | _____ |
| <i>Comments</i> | | | |

Observer's Signature: _____
 Name & Designation: _____
 Date: _____

Teacher's Signature: _____
 Name & Designation: _____
 Date: _____



ANNEXURE-II

School Name

School Logo

Academic Session: 2017-18
Report Card for Class IX

Roll No. :
 Student's Name:
 Mother's/Father's/Guardian's Name:
 Date of Birth:
 Class/Section:

Scholastic Areas:	Academic Year (100 marks)					
Sub Name	Periodic Test (10)	Note Book (5)	Subject Enrichment (5)	Annual Examination (80)	Marks Obtained (100)	Grade
Language 1						
Language 2						
Subject 1						
Subject 2						
Subject 3						
Additional or NSQF Sub.						

Co-Scholastic Areas [on a 5-point (A-E) grading scale]	
	Grade
Work Education (or Pre-vocational Education)	
Art Education	
Health & Physical Education	
Grade	
Discipline [on a 5-point (A-E) grading scale]	

Class Teacher's Remarks

Result:.....

Date.....

Signature of
Class Teacher

Signature of
Principal

Instructions

Grading scale for scholastic areas : Grades are awarded on a 8- point grading scale as follows –

MARKS RANGE	GRADE
91 - 100	A 1
81 - 90	A 2
71 - 80	B 1
61 - 70	B 2
51 - 60	C 1
41 - 50	C 2
33 - 40	D
32 & Below	E (Failed)





ANNEXURE-III

School Name _____

School Logo _____

Academic Session: 2017-18
Report Card for VI-VIII

Roll No. : _____

Student's Name: _____

Mother's/Father's/Guardian's Name: _____

Date of Birth: _____

Class/Section: _____

Scholastic Areas: Sub Name	Term-1(100 marks)						Term-2(100 marks)					
	Per Test (10)	Note Book (5)	Sub Enrichment (5)	Half Yearly Exam (80)	Marks obtained (100)	Gr	Per Test (10)	Note Book (5)	Sub Enrichment (5)	Yearly Exam (80)	Marks obtained (100)	Gr
Language 1												
Language 2												
Language 3												
Mathematics												
Science												
So Science												
Any other Sub												

Co-Scholastic Areas: Term-1 [on a 3-point (A-C) grading scale]		Co-Scholastic Areas: Term-2 [on a 3-point (A-C) grading scale]	
Grade		Grade	
Work Education (or Pre-vocational Education)		Work Education (or Pre-vocational Education)	
Art Education		Art Education	
Health & Physical Education		Health & Physical Education	

Grade		Grade	
Discipline: Term-1 [on a 3-point (A-C) grading scale]		Discipline: Term-2 [on a 3-point (A-C) grading scale]	

Class Teacher's remarks : _____

Promoted to Class: _____

Place: _____

Signature of _____

Date: _____

Class Teacher

Signature of _____

Principal

Instructions

Grading scale for scholastic areas: Grades are awarded on a 8- point grading scale as follows –

MARKS RANGE	GRADE
91 - 100	A 1
81 - 90	A 2
71 - 80	B 1
61 - 70	B 2
51 - 60	C 1
41 - 50	C 2
33 - 40	D
32 & Below	E (Needs improvement)



14 POINTS PROGRAMME ON SAFETY AND SECURITY OF JNV INMATES

The issue regarding safety and security of children in the Vidyalaya campus has been deliberated at length and it has been decided to enforce a 14 Point Programme in this regard in all JNVs with immediate effect. A copy of the 14 Point Programme of safety and security of children is enclosed.

In this regard, following points may be noted for strict compliance:-

1. Every Principal and staff member in a Navodaya Vidyalaya will carefully follow these points for due and proper compliance.
2. Every Principal will submit a monthly report to the concerned Regional Office indicating compliance of these 14 Points and shortcomings, if any.
3. Every Assistant Commissioner Incharge of Cluster will personally monitor proper implementation of these programmes during his visit to the Vidyalayas and also through frequent personal interaction.
4. Regional Office will take immediate follow up action on any shortcomings in implementation in any Vidyalaya and submit a report to the Headquarters.
5. ***14 Points security measures suggested in this programme are bare minimum and illustrative. Principals of the Vidyalayas may add any other point for monitoring based on local felt needs of the Vidyalaya.***

FOURTEEN POINT PROGRAMME FOR MONITORING SAFETY AND SECURITY OF CHILDREN

1. Daily verification of M.O.D. report by the Principal.
2. Monthly updating of students medical records and verification by the Principal.
3. Daily visit of House-Master to dormitory, interaction with children particularly migrated children, along with verification of issue of student's articles in time.
4. Availability of drinking water and maintenance of running water facility to toilets and bathrooms.
5. Nominating a suitable Counselor for counseling of emotionally disturbed children.

6. Assigning Rotational responsibility to designated staff for supervision of physical hazards/danger points in and around campus and taking remedial action.
7. Weekly review meeting by Principal with House-Masters and House Captains.
8. Operational zing Vidyalaya Control Register, M&R/complaint Register and grievance box. All to be directly monitored by Principal.
9. Locking dormitory during day time and school building during night.
10. Cleaning of bushes and adequate lightening in the campus.
11. Regulating entry/exit at Main Gate.
12. Proper repairs of boundary walls.
13. Monthly fumigation in campus to control insects/mosquitoes etc.
14. Sick children to stay in MI Room under supervision of Staff Nurse and not in dormitories during day time.

Sub: Safety and Security of students-guidelines for monitoring

A 14 Point Programme for ensuring safety and security of children has been circulated to all Regional Offices and JNVs by Commissioner, NVS vide his letter dated 16th May, 2011. With a view to ensure that the points included in this programme are sincerely followed by all JNVs and proper record of action taken on each issue is carefully maintained, it has been decided to prescribe formats in which records may be maintained by the Vidyalayas for closer monitoring by the Principal and also by any Visiting Officers. A set of 5 proforma as under have been prepared for regular monitoring and are enclosed:-

1. Monthly House Prefects Meeting with Principal in the Presence of House Masters
2. Monthly Class Prefects/Monitors Meeting with Principal in the Presence of Class Teachers
3. Monthly Staff Meeting
4. Monthly Maintenance & Repair (M&R) Committee Meeting
5. Monthly Mess Committee Meeting

The principals of all JNVs to ensure strict compliance of the 14 point programme and maintaining appropriate records in the proforma enclosed:

FORMAT-I**Jawahar Navodaya Vidyalaya :** _____**Distt.:** _____**State :** _____**MONTHLY HOUSE PREFECTS MEETING WITH PRINCIPAL IN THE
PRESENCE OF HOUSE MASTERS****FOR THE MONTH OF:** _____**DATE OF THE MEETING:** _____

Sl. No.	Name of the House	Name of the House Masters present	Name of the House Prefects present	Problems of students as well as dormitories discussed	Action taken in brief	Remarks (if any)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

Vice-Principal**Principal**

FORMAT-II

Jawahar Navodaya Vidyalaya : _____

Distt.: _____

State : _____

Monthly Class Prefects/Monitors Meeting With Principal In The Presence Of Class Teachers

For the Month of: _____

Date of the meeting: _____

Sl. No.	Class & Section	Name of the Class Teacher	Name of the Class Prefects/Monitors	Problems Discussed Related to the Class / Classroom	Action taken in brief	Remarks (if any)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						

Vice-Principal**Principal**

FORMAT-III

Jawahar Navodaya Vidyalaya : _____

Distt.: _____

State: _____

MONTHLY STAFF MEETING

For the Month of: _____

Date of the meeting: _____

Sl. No.	Agenda Points discussed	Problems relating to Staff	Academic Problems Related to Students	Hazardous points identified, if any	Action taken in brief	Remarks (if any)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						

Vice-Principal

Principal

FORMAT- IV**Jawahar Navodaya Vidyalaya:** _____**Distt.:** _____**State :** _____**MONTHLY MAINTENANCE & REPAIR (M&R) COMMITTEE MEETING****For the Month of:** _____**Date of the meeting:** _____

Sl. No.	Name of the House/Building	Nature/Details of Problem	Hazardous points, if any	Action taken in brief	Remarks (if any)
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					

Vice-Principal**Principal**

FORMAT- V**Jawahar Navodaya Vidyalaya:** _____**Distt.:** _____**State:** _____**MONTHLY MESS COMMITTEE MEETING****For the Month of:** _____**Date of the meeting:** _____

Sl. No.	Last Menu Discussed	Name of the Students present	Name of Teachers/Staff present	Problems Raised by the Students	Action taken in brief	Revised Menu Chart (may be attached)	Remarks (if any)
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							

Vice-Principal**Principal**

DUTY MASTER REPORT**JAWAHAR NAVODAYA VIDYALAYA**_____

Date:_____ Day:_____

(To be filled by MOD himself/herself & handed over to Principal before Morning Assembly on next day)

Name of the MOD _____; Designation. _____

PART – I**Reporting**

- [A] (i) **Morning P.T.** Started at _____AM
 (ii) Teachers Present on ground were
 1.....; 2.....;
 3.....; 4.....;
- [B] (i) **Morning Assembly** started at _____AM. **House on Duty**.....
 (ii) Names of teacher not present
 1.....; 2.....;
 3.....; 4.....;
- (iii) The attendance & other details in "Consolidate Class Attendance Register" were verified & Signed:- **Yes / No**
- [C] (i) **Break fast** started at ____AM.
 (ii) Items served as per menu for the day **Yes/No**
 (iii) Name of Students (With their House) who were present in the Vidyalaya but did not take breakfast
 1.....; 2.....;
 3.....; 4.....;
- (iv) Name of the teachers present on duty
 1.....; 2.....;
 3.....; 4.....;
- [D] (i) **Lunch** started at ____P.M..
 (ii) Item served as per menu for the day **Yes/No**
 (iii) Name of the teachers present on duty
 1.....; 2.....;
 3.....; 4.....;
- (iv) Name of the students who were present in the Vidyalaya but did not take lunch
 1.....; 2.....; 3.....;
 4.....; 5.....; 6.....;

[E] Remedial / Supervised Classes (Afternoon)

(i) Remedial / Supervised classes were conducted in Academic Block from ____ PM to ____ PM

(ii) The attendance of students was recorded in concerned register which was verified by me. Yes / No

(iii) Name of the teachers present on duty

1.....; 2.....;

3.....; 4.....;

[F] Evening Games & Sports started at ____ PM.

(i) Teachers playing with students were :

1.....; 2.....;

3.....; 4.....;

(ii) Total ____ students were present on the ground. Games was over by ____ PM.

(G) (i) Distribution on of snacks was made at ____ PM under the guidance of

Mr. / Ms 1.; 2. & every student received the snacks.

(ii) The attendance of students was recorded in concerned register which was verified by me. **Yes / No****[H] Evening Supervised Classes (After Games)**

(i) Supervised Classes were conducted from ____ PM to ____ PM at ____ (Place)

(ii) The Teachers present on duty

1.....; 2.....;

3.....; 4.....;

(iii) The Attendance of students was recorded in concerned register which was verified by me. **Yes / No.****[I] Dinner** started at ____ PM.(i) Items served as per menu for the day **Yes/No**

(ii) Teachers present on duty

1.....; 2.....;

3.....; 4.....;

(iii) Name of the students who were present in the Vidyalaya but did not take dinner

1.....; 2.....;

3.....; 4.....;

Part-II**(J) Attendance during various activities**

Activity	Strength	Present	Leave	Sick	On duty	NR	Absent	Total
Morning PT								
Morning Assembly								
Remedial/ supervised study (afternoon)								
Evening games								
Evening supervised study (After games)								

Note: - OD: On duty; **NR:** Not Reported in the school after leave/ vacation.

[K] House Masters to submit the Night Roll Call details to MOD

Strength	Arawali		Neelgiri		Shivalik		Udaigiri		Girls Sr.		Girls Jr.	
	Jr.	Sr.	Jr.	Sr.	Jr.	Sr.	Jr.	Sr.	A	B	A	B
Strength												
Present												
Leave												
Sick												
On duty												
NR												
Absent												
Total												

NOTE: Details of absentees should be intimated to Principal/ Vice-Principal immediately

PART-III**(L) Details of Sick students (List is to be handed over by staff nurse and HM to MOD)**

a. Details of students referred to hospital for medical treatment.

Sl. No.	Name of sick student	Class	House	Nature of illness	Signature of staff nurse	Signature of HM

b. Details of students who were permitted by the staff nurse to take rest in MI room/ Dormitory.

Sl. No.	Name of sick student	Class	House	Nature of illness	Signature of staff nurse	Signature of HM

(M) Any celebration / Special event of the day

.....

(N) Safety concerns noticed, if any,

.....

(O) Any untoward incident/Important observations brought to the notice of Principal

.....

(Sign. of MOD)

Action initiated by Principal on MOD report:-

.....

Sign. of Principal

Note:-

- Any untoward incident or any other matter requiring immediate attention of the Principal should be brought to his notice without any delay.
- If this report is not received by Principal before Morning Assembly, he should immediately call the MOD
- Attendance taken during different activities/timings by the concerned teacher in-charge is to be submitted to MOD.-----

DUTIES AND RESPONSIBILITIES OF MASTER ON DUTY (MOD)

1. The Master on Duty will submit the report to the Principal in the prescribed format before Morning Assembly on the next day.
2. He / She (MOD) will start with arouser and end duties with light off at night.
3. He / She will supervise the arrangements at the time morning assembly & all Vidyalaya functions.
4. He / She will ensure that all students behave properly during school functions.
5. He / She will supervise all the meals & refreshments.
6. He / She will supervise all roll calls. If any student is missing, will immediately report to the concerned house master & Principal.
7. He / She will be present on the ground during morning PT & Evening Games.
8. He / She will enquire about sick students from the staff nurse of the Vidyalaya.
9. He / She will verify attendance of the students during afternoon remedial & evening supervised classes.
10. He / She will ensure punctuality of all school activities.
11. He / She will report any damage to the school property to Principal, if noticed on the day of duty.
12. He / She will report about indiscipline or serious incidents to the Principal, if any, noticed on the day of duty.
13. He / She will ensure that drinking water arrangements in the academic block & hostels are available.
14. He / She will make suggestions in all school activities based upon his / her observations.
15. He / She will be easily available all the time & should not leave the campus without permission.

Note:-

1. Any untoward incident or any other matter requiring immediate attention of the Principal should be brought to his notice without any delay.
2. If duty officer is not able to perform duties on the prescribed day, he/she will inform the Principal well in time.
3. OD will receive the attendance details from the respective in-charges and report to Principal.



SWATCHHTA CAMPAIGN

GRADING OF JAWAHAR NAVODAYA VIDYALAYAS

DISTRICT :

STATE :

PERIOD OF ASSESSMENT :



ASSESSED BY

1.....(Signature, Name & Designation)

2.....(Signature, Name & Designation)

Overall score out of 200 :

Reviewed by the Cluster In-charge and the reviewed score is :

Signature of Cluster In-charge :

Remarks of Deputy Commissioner :

Signature of Deputy Commissioner :

**B-15, Institutional Area,
Sector-62, NOIDA - 201307**

NAVODAYA VIDYALAYA SAMITI

(Format of assessing the Jawahar Navodaya Vidyalayas for Swachhata Campaign)

1. Sanitation (Max. Marks – 30)

1.	Availability of separate toilets and urinals for Boys & Girls in School building, Mess, Houses and any other area wherever required.	Proper facility available 3	Improvised separate toilets available 2	Proper facility not available -
2.	Availability of one toilet each for Boys & Girls with special needs/disabled.	Proper facility available 3	Improvised separate toilets available 2	Proper facility not available -
3.	Whether all toilets/urinals and water points are usable and functional	Always Usable & functional 3	Invariably usable & functional 2	Not usable -
4.	Availability of hand wash facility with soap near water points.	Available at all water points 3	Available at few water points 2	Not available -
5.	Availability of at least one incinerator in girl's toilet block and niche to keep sanitary napkins.	Available in all Girls toilets block 3	Available in few Girls toilet block 2	Not available -
6.	Availability of graphics and visuals depicting key hygiene messages.	Adequately available 3	Partially available 2	Not Available -
7.	Regular inspection of water and sanitation facility in the toilets/urinals by a group of students/house masters/mistress/staff nurse.	Regularly carried out 3	Occasionally carried out 2	Not carried out -
8.	The mechanism of recording the daily inspection of sanitation/suggestions for improvement, follow-up action is developed and available.	Effectively organized & recorded 3	Casualty organized but no record maintained 2	Inspection mechanism not developed -
9.	Theme based sanitation activities/supplementary reading material, motivating talks during morning assembly is being organized and recorded.	Effectively organized & recorded 3	Casualty organized but no record maintained 2	No attempt made -
10.	The awareness of Swachhta campaign organized at the House level/Vidyalaya level and cluster level as pace setting activity and minutes recorded.	Organized & recorded at all the 3 levels 3	Organized & recorded at 2 levels 2	No efforts made -

2. Potable Drinking Water (Max. Marks – 20)

1.	Availability of potable drinking water drawn from underground source after filtration/purification.	Filtered/Purified drinking water available from OHT <div>2</div>	Potable drinking water available <div>1</div>	Drinking water available <div>1</div>
2.	Availability of report for potable drinking water through District/ State Authority.	Reports available <div>2</div>	Efforts made but no potable report available <div>1</div>	No efforts made <div>-</div>
3.	Availability of drinking water at a distance of at least 10 meters away from leach/soak pits attached to toilets/sewerage water drains.	Proper care is taken <div>2</div>	Efforts made <div>1</div>	No care is taken <div>-</div>
4.	Cleanliness of drinking water source i.e. over head tank/water coolers/any other source is ensured monthly/quarterly as desired.	Cleanliness ensured as desired <div>2</div>	Efforts made <div>1</div>	No efforts made <div>-</div>
5.	Sustainable safe drinking water and adequate water supply for hand washing, cleaning toilets, school cleaning, houses cleaning, food preparation, cooking, gardening etc. is available.	Sufficient drinking water available for all the purposes <div>2</div>	Sufficient drinking water for essential purposes <div>1</div>	Inadequate water supply <div>-</div>
6.	Whether the practices for safe handling, avoiding wastage, storage of drinking water are being adopted.	Yes, being ensured at all levels <div>2</div>	Efforts being made <div>1</div>	No efforts made <div>-</div>
7.	Availability of graphics, visuals, key messages for keeping potable drinking water throughout the campus.	Adequate efforts made <div>2</div>	Inadequate efforts made <div>1</div>	No efforts made <div>-</div>
8.	The awareness on Swachhta campaign with special reference to use of potable drinking water is organized at various forum i.e. Vidyalaya/cluster and recorded.	Organized & recorded at all the 2 levels <div>2</div>	Organized & recorded at 1 levels <div>1</div>	No Efforts made <div>-</div>
9.	Debates/Declamation/Quiz/Role play etc. organized on the utility of safe potable drinking water and records available.	Yes, organized and recorded <div>2</div>	Efforts made but not recorded <div>1</div>	No efforts made <div>-</div>
10.	Whether supply of potable drinking water is ensured to all the Houses, Staff Qtrs., School Building and all other places around the campus.	Yes, Potable drinking water supply ensured. <div>2</div>	Efforts made <div>1</div>	No efforts made <div>-</div>

3. Maintenance of School Campus (Max. Marks – 90)**(i) Classroom:-**

1.	The mechanism of daily cleaning/dusting of classrooms, blackboards, availability of dustbin, display of essential information on Notice Board developed and recorded.	Yes, developed & implemented effectively <div>3</div>	Mechanism developed but not recorded <div>2</div>	Ineffectively carried out without record <div>1</div>
2.	Decoration of classroom with various clippings, charts, innovative practices etc. is carried out at regular intervals and recorded.	Implemented effectively & recorded <div>3</div>	Implemented effectively but no record <div>2</div>	Ineffectively carried out without record <div>1</div>
3	Availability of essential teaching aids like chalks, duster, charts, and requirement of smart classroom is available in functional order.	Yes, requirement fulfilled <div>3</div>	Efforts made <div>2</div>	Partial efforts made <div>1</div>

(ii) Library

Whether equipped with adequate books newspapers/magazines, journals etc. and library based activities organised	Adequately equipped & lib. based activities organized effectively <div>3</div>	Adequately equipped but lack of interest for up-keeping library <div>2</div>	Inadequately equipped and lack of interest for lib. maintenance <div>1</div>
---	---	---	---

(iii) Laboratories**(a) Physics, Chemistry, Biology/Junior Science/Maths labs.**

Whether adequately equipped, maintained, practicals conducted and records maintained	Excellent in all respects <div>3</div>	Well equipped but maintenance need attention <div>2</div>	Inadequately equipped and maintenance need attention <div>1</div>
--	---	--	--

(b) Music, Arts, Language, Geography, Museum Corner etc.

Whether adequately equipped, maintained and related activities organised effectively and records maintained.	Excellent in all respects <div>3</div>	Well equipped but maintenance/conduct of activities need attention <div>2</div>	Inadequately equipped and maintenance/conduct of activities need attention <div>1</div>
--	---	--	--

(c) SMART Classroom

Whether adequately equipped, with laptop, interactive board, Wi/Fi, LCD/Multi Media projector, router for internet connectivity, printer, inverter for power back up and all other required articles.	Adequately equipped and being utilised optimally 3	Adequately equipped but maintenance/ effective utility need attention 2	Inadequately equipped and maintenance/ effectively utility need attention 1
---	---	--	--

(d) Computer lab.

Availability and functioning of desk top computers/ laptops/overhead/LCD projectors, printers, TV, UPS etc.	Adequately available, functional & maintained 3	Adequately available but partly functional & less maintained 2	Inadequately available, partly functional & less maintained 1
---	--	---	--

(e) Office/staff room

Whether adequately equipped with necessary requirement and nicely maintained	Yes, adequately equipped & well maintained 3	Adequately equipped but maintenance need attention 2	Inadequately equipped & maintenance also need attention 1
--	---	---	--

(iv) Dormitories/Houses:-

1.	Brooming/Dusting of dormitories from inside and outside surroundings.	Regular 3	Invariably carried out 2	Irregular 1
2.	Lay out of Beds/ belongings.	Proper 3	Improper 2	No efforts made -
3.	Cleanliness of bedding items, uniform other belongings and their maintenance	Always cleaned and intact 3	Invariably cleaned 2	Causal efforts 1
4.	Display of dormitory inmates, with home address/contact no. if any, achievement in academics sports, games and CCA etc.	Always available and updated 3	Invariably maintained 2	Causal efforts 1
5.	Availability of records of minutes for House meetings, Inter House activities, visits of officials, daily attendance etc.	Updated records of all activities available 3	Oftenly carried out & recorded 2	Activities carried out but not recorded 1
6.	Plantation/Beautification and maintenance of Houses.	Excellent 3	Efforts made 2	No efforts made -

(v) Mess:-

1.	Potable water supply, cleanliness of mess, kitchen/ toilets and its surroundings.	Excellent 3	Efforts made 2	No efforts made -
2.	Turn out of mess workers in proper uniform, apron/headgear & Gloves	Excellent turn out 3	Efforts made 2	No efforts made -
3.	Use of mess equipment like flour kneading machine, potato peeler, chapatti maker, and all other required equipments and their cleanliness.	Adequate use with neatness 3	Inadequate use & cleanliness also required 2	Rarely used 1
4.	Proper hair cut, nail cutting bathing (twice a day) of all mess workers.	Adequate care taken 3	Inadequate care 2	Casual attitude 1
5.	Cleanliness of mess, stores, kitchen, toilets etc.	Excellent 3	Adequate care 2	Inadequate care 1
6.	Preparation of food and service with cleanliness and hygiene	Excellent 3	Adequate care 2	Inadequate care 1

(vi) Cleanliness and maintenance of Over Head Tank, Internal Roads, Drainage System, Sewer lines, Septic Tank, and disposal of waste.

1.	Internal Road are cleaned	Everyday 3	Weekly 2	Fortnightly 1
2.	Fixing of Dustbin along with Roads.	Adequate 3	Inadequate 2	Not placed 1
3.	Open Drains in the campus are cleaned	Everyday 3	Weekly 2	Fortnightly 1
4.	Over Head Tank is cleaned and treatment of bleaching powder given	Fortnightly 3	Monthly 2	Quarterly 1
5.	Septic Tank/Sewer lines are cleaned	Quarterly 3	Half yearly 2	Annually 1
6.	Disposal of solid waste and to convert it to organic manure.	Organic manure prepared 3	efforts made 2	No efforts made 1

(vii) Playgrounds

Adequate infrastructure w.r.t. volley ball, basket ball, football, cricket, hand ball, badminton, kho-kho, kabaddi etc. Cleanliness, greenery, grass cutting, water supply, adequate plantation along the boundary and overall maintenance.	Excellent 3	Efforts made but not properly maintained 2	Casual efforts made 1
---	--------------------	---	------------------------------

(viii) Lawns

Lush green lawns with regular maintenance are developed at various places like entry point of vidyalaya, school building, houses, staff quarters, mess, guest house, principal's residence etc.	Lush green lawns with regular maintenance are available at all the places mentioned 3	Efforts made but not properly maintained 2	Casual efforts made 1
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(ix) Boundary wall

Adequate plants developed along the boundary wall and their maintenance with cleanliness, regular pruning, watering etc. is taken care.	Excellent 3	Efforts made but not properly maintained 2	Casual efforts made 1
---	--------------------	---	------------------------------

Health and Hygiene (Max. Marks – 40)

1.	Washing of hands with soap after using toilets	All students follow it 3	Some students follow it 2
2.	Washing of hands with soap before and after meals	All students follow it 3	Some students follow it 2
3.	Cutting of nails/ hair cuts	Ensure it regularly 3	Takes it casually 2
4.	Regular bathing/washing of cloths and proper turn out at all times.	Regular 3	Irregular 2
5.	Use of Pads during menstrual periods by the Girls and its disposal.	Takes adequate care under the supervision of staff Nurse 3	Inadequate care taken 2
6.	Use of potable water at all times	Always 3	Invariably 2

7.	Availability of separate infirmary for sick children in the Vidyalaya.	Available 2	Not available -
8.	Health records of all students and supply of medicines and attending sick children.	Health records maintained and proper medical care of sick children taken 3	Medical care is taken but Health Records are not available 2
9.	Provision of bathing/ washing soap, oil, towels, space for washing clothes etc. available in the Houses.	All facilities available 3	Irregular 2
10.	Provision for getting sunlight to all the bedding items, under garments, uniform etc. once a week.	Implemented and being ensured 2	Implemented but not ensured. 1
11.	Inspection of Houses once a week by the House Masters/Associate House Master to ensure, cleanliness, sanitation, hygiene, and proper turn out.	Effectively implemented and record maintained 3	Implemented but casually monitored 2
12.	Availability of part time Doctor/ alternative arrangements and record of visits	Part time Doctor and visit record available 3	Part time Doctor available but no visit record 2
13.	Availability of visit record of Staff Nurse to dormitories/mess, bath room/toilets	Regularly visits & record maintained 3	Irregular visits & no record maintained 2
14.	Maintenance of MI Room and availability of essential equipments, common medicines and issue registers	Perfectly maintained 3	Casually maintained 2

5. Involvement of Stakeholders (Max. Marks – 10)

a) House level

Whether committee involving House Masters/Associate House Masters, House captain, each dormitory perfect is constituted and weekly/monthly schedule for sanitation is chalked out, being implemented and recorded.	Constituted adhered and recorded in toto 3	Constituted but partially adhered and recorded 2	Sanitation programme adhered but no committee constituted 1
--	---	---	--

b) Vidyalaya level

Whether committee involving House Masters/AHM, student management committee, staff nurse, both PETs, MOD etc. is constituted and weekly/monthly schedule chalked out, being implemented and recorded.	Constituted adhered and recorded in toto <div>3</div>	Constituted but partially adhered and recorded <div>2</div>	Sanitation programme adhered but no committee constituted <div>1</div>
---	--	--	---

c) VMC level

Whether committee involving VMC members is associated and assisting in sanitation campaign at house/vidyalaya level.	Yes, VMC members extend necessary cooperation & minutes recorded <div>2</div>	VMC members extend cooperation but minutes not recorded <div>1</div>	VMC members not associated in Sanitation campaign <div>-</div>
--	--	---	---

d) VAC level

Whether VAC level committee is constituted, functional, being invited for Swachhta campaign and minutes recorded.	Yes, constituted, functional & minutes recorded <div>2</div>	Constituted & functional but minutes not recorded <div>1</div>	No efforts made <div>-</div>
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6. Behavioural Change (Max. Marks – 10)

Whether the impact of change in behavioural aspect & life skill based education for sanitation, hygiene and self awareness improved.	Remarkable improvement in behavioural aspect & self awareness <div>5</div>	Considerable improvement in behavioural aspect & self awareness <div>3</div>	No improvement <div>-</div>
Whether the impact of change in behavioural aspect and life skill based education for sanitation, hygiene and self awareness spread and inculcated in the neighbourhood community schools, habitants and the persons living around the JNV.	Yes improvement in behavioural aspects and self awareness inculcated. <div>5</div>	Considerable improvement in behavioural aspects & self awareness <div>3</div>	No improvement <div>-</div>

SUMMARY OF SCORE AWARDED			
Sl. No.	AREA	MAX. MARKS	MARKS AWARDED
1	Sanitation	30	
2	Potable Drinking Water	20	
3	Maintenance of Campus	90	
4	Health & Hygiene	40	
5	Involvement of Stakeholders	10	
6	Behavioural Change	10	
	Total	200	

Note: The earnest effort should be made to implement the Swachhata Campaign at all levels with the involvement of all stakeholders mentioned above, so as to upkeep and maintain the Vidyalaya always neat and tidy.

SUGGESTED LIST OF THEME BASED ACTIVITIES

Month / Date of celebration	Birthday day of Indian leaders	Celebration Diwas	Suggested activities at school level	At NVS Level
January 12 th	Birthday of Swami Vivekanand	National Youth Day	Cleaning of campus, organizing rally, singing patriotic songs, special assembly with motivating talks by MOD, teachers, Principals etc. on the life of Swami Vivekanand.	National NVS Debate and Quiz Competition.
January 23 rd	Birthday of Netaji Subhash Chandra Bose	Rashtriya Ekta Diwas	Campus cleaning, to organize special assembly inviting freedom fighters from community and focus on unity, brotherhood and sacrifice for the nation.	National NVS Essay Competition (English and Hindi)
April 14 th	Birthday of Baba Saheb Dr. B.R. Ambedkar	Samajik Samrasta Diwas	Campus cleaning, talks on contribution of Baba Saheb on framing Indian constitution and to attain social cohesiveness irrespective of discrimination.	Key Note Lecture by eminent person on Rural Education in JNVs.
July 6 th	Birthday of Dr. Shyama Prasad Mukherjee	Seva Diwas	Campus cleaning, to propagate Seva Bhaav, integrity, loyalty and commitment to the nation.	National NVS Drama, Skit Competition
August 20 th	Birthday of Rajiv Gandhi	Sadbhavna Diwas	Campus cleaning, to inculcate feeling of comradeship, self reliance, progressive attitude to compete with global level achievements.	National NVS Competition Literacy Award

Sept. 5 th	Birthday of Dr. Sarva Palli Radha Krishnan	Teacher's Day	Campus cleaning, teaching learning transaction owned by group of students and focus on life and contribution of Dr. Radha Krishnan.	Participation in National Teachers Day
Oct. 2 nd	Birthday of Mahatma Gandhi	Ahinsa Diwas	Campus cleaning, activities pertaining to Babu's contributions to get freedom and faith in non-violence.	Sharing of success stories on non-violence and truth
Oct. 15 th	Birthday of Dr. A.P.J. Abdul Kalam	World Student Day	Campus cleaning, special talks on the life of Dr. A.P.J. Abdul Kalam who excelled as great pioneer, eminent scientist, administrator & source of inspiration for youth at national and global level.	National NVS Science Congress
Nov. 14 th	Birthday of Pt. Jawahar Lal Nehru	Bal Diwas	Campus cleaning, special talks on the life & contributions in the field of getting freedom, political stability and affection to the young buds of the Nation.	-
Dec. 25 th	Birthday of Shri Atal Bihari Vajpai	Good Governance Day	Campus cleaning, his contributions to the Nation in the field of good governance and sustaining values in personal and political career.	24 th Dec. National NVS best governed JNV Award

Note: The suggested list as above is tentative. You may add many more activities to propagate the cleaning campaign subject to availability of resources and work force.

LABORATORY EQUIPMENTS**MATERIALS & CHEMICALS REQUIRED FOR JUNIOR SCIENCE LAB.**

S.NO	NAME OF THE MATERIAL/CHEMICAL	SPECIFICATION
1	Measuring cylinder	250 ml
2	Test tubes	Borosil
3	Thermometers	Celsius & Fahrenheit & clinical
4	Bar magnets	pairs
5	Dynamo model	Ac/Dc
6	Concave lenses	
7	Concave mirrors	
8	Convex lenses	
9	Convex mirrors	
10	Glass slab	
11	Glass prism	
12	Pendulum bob and retort stand	
13	Stop clock	
14	Tuning forks	set
15	Electric bell	model
16	Ammeter	Dc
17	Volt meter	Dc
18	Galvanometer	Dc
19	Electric motor	Model
20	Magnetic compass	With lid & lock
21	Battery eliminators	2-12 V Dc 2 Amps
22	V stands	
23	Spring balance	
24	Meter scales	
25	Wind mill model	
26	Beakers	Plastic 50 ml 100 ml
27	Spirit lamps	Brass
28	Test tube holders	
28	Test tube stand	
29	Tripod stand	
30	Round bottomed flask	
31	Flat bottomed flask	
32	Crucible tongs	
33	Glass funnels	
34	Trough	8" x 4"
35	Lactometer	
36	Compound microscope	
37	Dissection microscope	
38	Permanent slides	Algae, Fungi, Protozoa,
39	Fibre models	Eye. Ear.
40	Litmus books	
41	Acetic acid	
42	Hydrochloric acid	

43	Sulphuric acid	
44	Nitric acid	
45	Sodium hydroxide	
46	Ammonia solution	
47	Copper sulphate	
48	Sodium bicarbonate	
49	Sodium metal	
50	Mercury	
51	Zinc metal pieces	
52	Magnesium ribbon	
53	Calcium hydroxide	
53	Calcium carbonate	
54	Potassium permanganate	
55	Copper metal rings	
56	Filter paper	
57	Sulphur powder	
58	Surgical spirit	
59	Iodine solution	
60	Hypo	
61	Iodine solution	
62	Rubber corks	
63	Bell jar	
64	Acetone	
65	phenolphthalein	
66	Mythylene blue	
67	First aid kit	

PHYSICS LAB EQUIPMENTS

CLASS- IX

S. No.	Name of the equipment
1	Spring balance
2	Measuring cylinder
3	Helix spring
4	Cuboids of different sizes
5	Human ear model
6	Stethoscope
7	Simple pendulum
8	Stop clock
9	Meter scales
10	Flute
11	Change of P.E to K.E and vice versa
12	500ml beakers

CLASS-X

S.No	Name of the item
1	Plane mirror
2	Concave mirror
3	Convex mirror
4	Glass slab
5	Drawing board
6	Glass prism
7	Convex lens
8	Concave lens
9	Voltmeter
10	Ammeter
11	Galvanometer
12	Rheostat
13	Resistance boxes
14	Connecting wires
15	Key
16	Optical bench
17	Electric battery
18	Magnets
19	Connecting wires
20	One-way key
21	Rheostat

CHEMISTRY LAB EQUIPMENTS FOR CLASSES IX & X

S.NO	NAME OF THE ITEM
1	Glass Test tubes borosil
2	Glass Beakers borosil (100ml, 250ml,500ml)
3	Conical flask borosil (250ml)
4	Glass spirit lamps
5	Glass funnels
6	Test tube stands (polythene)
7	Test tube holders
8	Tripod stand
9	Glass rods
10	Glass tubes
11	Separating funnel (250ml)
12	Centrifuge apparatus (electrical)
13	Washing bottles
14	Blow pipe
15	Platinum loop
16	Wire gauge
17	China dish
18	Pestle and Mortar
19	Tongs
20	Reagent bottles
21	Filtration apparatus
22	Simple distillation complete Apparatus
23	Fractional Distillation Complete Apparatus
24	Melting point Apparatus
25	Calorimeter Apparatus with stirrer
26	Electrical Water bath with thermostat with 12 hole
27	Kipps Apparatus
28	Chromatography papers
29	Periodic Table
30	Corks
31	Cork borer
32	Glass Burets
33	Glass Pipettes
34	Burette Stand
35	Pipette Stand
36	Glass Droppers
37	Round bottom Flask (250ml)
38	Round bottom flask flat (250ml)
39	Bunsen burners with gas supply

BIOLOGY LAB EQUIPMENTS FOR CLASS-IX

S.No	Name of the Item
1	Compound Microscope
2	Dissection Microscope
3	Plain Slides
4	Cover Slips
5	Test Tube Brushes
6	Test Tubes
7	Test Tubes Stand
8	Test Tube Holder
9	Needles
10	Small Sized Brushes
11	Bunsen Burner/Spirit Lamp
12	<u>Permanent Slides</u>
	Parenchyma
	Collenchyma
	Sclerenchyma
	Xylem
	Phloem
	Nervous Tissue
	Muscle Tissue
	Amoeba
	Euglena
	Plasmodium
	Paramecium
	Vorticella
	T.S. of Monocot stem
	T.S. of Dicot stem
	T.S. of Monocot root
	T.S. of Dicot root
	Digital/Physical balance
	Lactometer
	Models of Agricultural implements(plastic)
13	<u>Specimen</u>
	Earthworm
	Cockroach
	Bony fish
	Moss(Funaria)
	Fern
	Spirogyra
	Agaricus
	Ascaris
	Tape worm
	Pila
	Octopus
	Star Fish
	Sepia
	Leech
	Sycon/schypha

	Spongilla
	Hydra
	Obelia
	Scorpion
	Frog
	Charts/Models asper the prescribed Curriculum
14	<u>Chemicals and Stains</u>
	Hydro Chloric Acid
	Nitric Acid
	Sulphuric Acid
	Benedicts reagent
	Fehling solution A and B
	Iodine Solution
	Glycerine
	Safranin
	Methylene Blue
	Ammonium Hydroxide

BIOLOGY LAB EQUIPMENTS FOR CLASS-X

S.NO	NAME OF THE ITEM
1	Compound Microscope
2	Dissection Microscope
3	Plain Slides
4	Cover Slips
5	Test Tube Brushes
6	Test Tubes
7	Test Tubes Stand
8	Test Tube Holder
9	Needles
10	Small Sized Brushes
11	Bunsen Burner/Spirit Lamp
12	Beakers(250ml and 500 ml)
13	Lime water
14	Thistle Funnel
15	Bent tubes
16	Safranin
17	Methylene blue
18	Slides : Binary fission in Amoeba
	Budding in Yeast
	leaf structure
19	One holed /two holed rubber corks
20	<u>Specimen</u>
	Monocot and Dicot embryo
21	Physical Balance/Digital Balance
22	Whatmans filter paper
23	Charts/Models asper the prescribed Curriculum
24	Homology/Analogy in plants /animals-Available specimen/Charts

PHYSICS LAB EQUIPMENT FOR CLASS XI

S.No.	Name of the item
1	Vernier Callipers
2	Screw gauge.
3	Spherometer.
4	Simple pendulum
5	Demonstration of longitudinal and transverse waves.
6	Demonstration of the phenomenon of beats, due to superposition, of waves produced by two sources of sound of slightly different frequencies
7	Demonstration of resonance with a set of coupled pendulums.
8	Demonstration of the effect of angle of launch on range of a projectile
9	Demonstration of inter-conversion of potential and kinetic energy.
10	Demonstration of conservation of linear momentum.
11	Double inclined plane
12	Bi-metallic strip
13	Demonstration of free oscillations of different vibrating systems.
14	Demonstration of Bernoulli's theorem with simple illustrations
15	Demonstration of resonance using an open pipe.
16	Demonstration of conservation of angular momentum.
17	resonance tube
18	helical spring
19	Sonometer.
20	Demonstration of resonance with a set of coupled pendulums.
21	Rolling cylinders
22	Wooden block with hook
23	Metal balls / lead shots
24	Glass Measuring cylinders (50ml, 100ml, 250ml,500ml)
25	Spring balance
26	Pendulum bobs
27	Retort stands
28	Stop watch
29	Meter scale
30	Half Meter scale
31	Thermometers (degree C and degree F)
32	Maximum and minimum thermometer
33	Wet and Dry thermometer
34	Clinical Thermometer
35	Digital thermometer
36	Common Balance
37	Weight box
38	Beam balance
39	Tuning fork set
40	Metal Cubes and metal Cylinders
41	Rubber Hammer

PHYSICS LAB EQUIPMENT FOR CLASSES XII

S. No	Name of the item
1	Source of LASER beam
2	Metre bridge
3	Potentiometer.
4	Galvanometer
5	Multimeter.
6	Concave mirror
7	Convex lens.
8	Concave lens
9	Prism
10	Travelling microscope
11	Plane mirror.
12	p-n junction diode
13	Zener diode
14	Common - emitter npn or pnp transistor characteristics
15	Glass slab.
16	Polaroids.
17	Voltmeter
18	Ammeter
19	Microammeter
20	Microvoltmeter
21	Logic gates
22	Hollow prism
23	Tangent galvanometer
24	Bar magnets (Alnico)
25	Harsshoe Magnet
26	Electro Magnet
27	Magnetic compass
28	Optics kit (Lences, mirrors, glass slabs, plane mirror strips, Prisms (Equilateral and Rightangled), Slits.
29	Lens holder / V- Stand (Wooden)

30	Wooden Screen
31	Bulb with holder and wire gauge for measuring focal length
32	Plano convex , plano concave, double convex, double concave, glass slabs, plane mirrors, cylindrical lens, thin and thick lences
33	Sand Paper
34	Triangular File
35	Overflowing vessel
36	Battery eliminator
37	Transformer (step up and step down)
38	AC & DC Generator
39	DC Motor and AC Motor
40	Gold leaf electro scope
41	Solenoid
42	Glass cutter
43	Nichrome wire
44	One way key
45	Rubber Hammer
46	Drawing board

CHEMISTRY LAB REQUIREMENTS (NON-CONSUMMABLE) FOR CLASSES XI & XII

Sl .No.	NAME OF THE ITEM
1	BEAKERS(100ML,250 ML,500 ML,1000 ML)
2	BURETTES WITH GLASS TAPS
3	BURETTES STANDS WITH CLAMPS
4	TEST TUBES
5	BUNSEN BURNERS
6	BLOW PIPES
7	CONICAL FLASKS
8	COMBUSTION TUBES
9	CHINA DISHES
10	DROPPING BOTTLES
11	DISTILLATION SET
12	DROPPERS
13	DIFLAGRATING SPOONS
14	FLAT BOTTOMED FLASKS
15	FUNNELS
16	GLASS TROUGHS
17	GLASS RETORT
18	GLASS JARS WITH LIDS
19	HAND CENTRIFUGAL MACHINE
20	KIPPS APPARATUS
21	MEASURING JARS
22	MORTAR AND PESTLE
23	CHINA DISHES
24	CHEMICAL BALANNCE
25	PIPPETES
26	PETRI DISHES
27	TEST TUBE BRUSHES
28	ROUND BOTTOMED FLASKS
29	REAGENT BOTTLES
30	TEST TUBE STANDS AND TEST TUBE HOLDERS
31	SPATULAS
32	TRIPAD STANDS
33	TONGS

34	THISTLE FUNNEL
35	U TUBES
36	WIRE GAUGES
37	WATER BATH(COPPER)
38	WATCH GLASSES
39	WASH BOTTLES
40	THERMOMETER
41	VOLUMETRIC FLASKS
42	GRADUATED PIPPETS
43	STOP WATCHES
44	SEPERATING FUNNEL
45	WEIGHING BOTTLES
46	DESICATOR
47	CRUCIBLE WITH LID
48	FILTRATION STANDS
49	GLASS CUTTER
50	ELECTRIC WATER BATH
51	MELTING POINT APPARATUS
52	CORK BORER
53	CORKS
54	PIPPETE STANDS
55	TOP SINGLE PAN BALANCE
56	DELIVERY TUBES
57	ELECTRODES
58	GLASS RODS
59	GLASS CYRINGES

BIOLOGY LAB REQUIREMENTS FOR CLASSES XI & XII

S.NO	NAME OF THE ITEM
1	Compound Microscope
2	Dessection Microscope
3	Distillation Unit(water)
4	Beakers(250,500 and 100 ml)
5	Dicot and Monocot root and stem samples
6	Digital Balance
7	Whatmans filterpaper
8	Models of Cockroach and Frog
9	Slides and Specimen
10	Bacteria
11	Oscillatoria
12	Spirogyra
13	Rhizopus
14	Mushroom
15	Yeast
16	Riccia
17	Moss
18	Fern
19	Lichen
20	Amoeba
21	Hydra
22	Liverfluke
23	Ascaris
24	leech
25	Earthworm
26	Prawn
27	Silkworm
28	Honey bee
29	Snail
30	Star Fish
31	Rohu
32	Frog
33	Lizard
34	Tissues
35	Parenchyma
36	Collenchyma
37	Sclerenchyma
38	Xylem
39	Phloem
40	Squamous epithelium
41	Muscle fibre
42	Blood smear(mammal and Frog)

43	Mitosis all stages
44	Meiosis all stages
45	T.S.of testis
46	T.S.of Ovary
47	Human Blastula
48	Entamoeba
49	Taeniasolium
50	Ringworm
51	Hydrilla
52	Vallisnaria
53	<u>Skeleton model(human)</u>
54	skeleton box
55	Tape
56	Meter scale
57	Models/Charts as per curriculum
58	Chemicals
59	Iodine
60	Benedicts solution
61	Fehling solution A and B
62	Sudan-III
63	Safranin
64	Methylene blue
65	All types of acids
66	Millons reagent
67	Biuret reagent
68	Phenolphthalein
69	Buffer tablets
70	Ph paper
71	Boric acid
72	magnesium sulphate
73	watch glass

Note: While procuring the Laboratory Equipments and chemicals, the brand/specifications are to be given due importance to ensure the quality of items.

VACATION SCHEDULE OF JNVs ACROSS THE COUNTRY 2017-18

S. No.	Name of Region	State	Period of Vacation						Total No. of days
			Summer	Days	Autumn	Days	Winter	Days	
1	Bhopal		01.05.2017 to 30.06.2017	61	25.09.2017 to 23.10.2017	29			90
2	Chandigarh	Punjab: (All JNVs) Jammu: (Kathua, Samba, Udhampur, Jammu-I Reasi) HP: all JNVs except (Shimla, Kaza, Kinnaur, Kullu)	15.05.2017 (Monday) to 13.07.2017 (Thursday)	60	16.10.2017 (Monday) to 25.10.2017 (Wednesday)	10	18.12.2017 (Monday) to 06.01.2018 (Saturday)	20	90
		J&K: (Anantnag, Baramulla, Budgam, Kupwara, Shopian, Ganderbal, Kulgam, Doda, Poonch Rajouri, Leh, Kargil.	24.6.2017 (Saturday) to 13.07.2017 (Thursday)	20	-----	----	16.12.2017 (Saturday) to 24.02.2017 (Saturday)	70	90
		HP: (Shimla, Kaza Kullu & Kinnaur)	4.7.2017 (Tuesday) to 13.7.2017 (Thursday)	10	17.10.2017 (Tuesday) to 26.10.2017 (Thursday)	10	16.12.2017 (Saturday) to 24.02.2018 (Saturday)	70	90
3.	Hyderabad	Andhra Pradesh, Telengana & Yanam	01.05.2017 to 30.06.2017	61	28.09.2017 to 21.10.2017	24	12.01.2018 to 16.01.2018	5	90
		Karnataka	01.04.2017 to 31.05.2017	61	28.09.2017 to 21.10.2017	24	12.01.2018 to 16.01.2018	5	90

PERSPECTIVE ACADEMIC PLANNING 2017-18 NVS NOIDA

		Kerala & Mahe	01.04.2017 to 31.05.2017	61	1st Spell 2.9.2017 to 5.9.2017 - 4 Days 2nd Spell 28.09.17 to 20.10.17 - 23 Days 3rd Spell – 25.12.17 to 26.12.17 2 Days			90	
		UNION TERRITORY							
		Pudicherry	01.05.2017 to 30.06.2017	61	28.09.2017 to 21.10.2017	24	12.01.2018 to 16.01.2018	5	90
		Karaikal & Yanam	01.05.2017 to 30.06.2017	61	28.09.2017 to 21.10.2017	24	12.01.2018 to 16.01.2018	5	90
		ANDAMAN ISLAND							
		Middle Andaman	01.05.2017 to 30.06.2017	61	28.09.17 to 26.10.17 - 29Days			90	
		Car Nicobar	01.05.2017 to 30.06.2017	61	28.09.17 to 26.10.17 - 29 Days			90	
		Lakshadweep (Minicoy)	01.05.2017 to 30.06.2017	61	28.09.17 to 26.10.17 - 29Days			90	
4	JAIPUR		01.05.2017 to 30.06.2017	61	13.10.2017 to 21.10.2017	09	26.12.2017 to 14.01.2018	20	90
5	LUCKNOW		01.05.2017 to 30.06.2017	61	17.10.2017 to 26.10.2017	10	22.12.2017 to 09.01.2018	19	90
6	PATNA	Bihar	01.05.2017 to 28.06.2017	59	28.9.2017 to 28.10.2017	31			90
		Jharkhand	01.05.2017 to 28.06.2017	59	28.9.2017 to 28.10.2017	31			90
		W. Bengal	01.05.2017 to 29.06.2017	60	25.9.2017 to 24.10.2017	30			90
		For Darjeeling	15.05.2017 to 10.06.2017	27	27.09.2017 to 26.10.2017	30	21.12.2017 to 22.01.2018	33	90

PERSPECTIVE ACADEMIC PLANNING 2017-18 NVS NOIDA

7	PUNE		1..05.2017 to 29.06.2017	60	26.09.2017 to 22.10.2017 (03 days leave will be at the discretion of Principal to be be decided as Per local Importance)	27			90
8	SHILLONG	Assam (Except JNV Hailakandi, Cachar, Karimganj	01.05.2017 to 30.06.2017	61	25.09.2017 to 04.10.2017	10	29.12.2017 to 16.01.2018	19	90
		Manipur	1.5.2017 to 30.6.2017	61	16.10.2017 To 25.10.2017	10	19.12.2017 To 06.01.2017	19	90
		Tripura including 3 JNVs of Assam ie JNV Hailakandi, Cachar, Karimganj	1.5.2017 to 30.6.2017	61	25.9.2017 To 23.10.2017	29	-	-	90
		Sikkim, Mizoram, Nagaland, Ar. Pradesh, Meghalaya	1.5.2017 To 30.6.2017	61	-	-	19.12.2017 To 16.1.2018	29	90

RESULT ANALYSIS PROFORMAE

NAME OF THE JNV:
FORMAT-I

RESULT ANALYSIS OF HALF YEARLY /PRE-BOARD/YEARLY EXAM - 2017-18

CLASS	NUMBER OF STUDENTS APPEARED																NUMBER OF STUDENTS PASSED																P A S S %		
	URBAN								RURAL								TOTAL	URBAN								RURAL								TOTAL	
	BOYS				GIRLS				BOYS				GIRLS					BOYS				GIRLS				BOYS				GIRLS					
	GEN	OBC	SC	ST	GEN	OBC	SC	ST	GEN	OBC	SC	ST	GEN	OBC	SC	ST		GEN	OBC	SC	ST	GEN	OBC	SC	ST	GEN	OBC	SC	ST	GEN	OBC	SC			ST
VI																																			
VII																																			
VIII																																			
IX																																			
X																																			
XI																																			
XII																																			

CLASS	No. of Students in the range of.....					Total No. of students	
	Below 33%	34 - 59%	60 - 74%	75 - 89%	90% & Above		
VI							
VII							
VIII							
IX							
X							
XI							
XII							

NAME OF THE JNV:																FORMAT-II																				
RESULT ANALYSIS OF HALF YEARLY /PRE-BOARD/YEARLY EXAM - 2017-18																																				
CLASS	SUBJECTS	NUMBER OF STUDENTS APPEARED																NUMBER OF STUDENTS PASSED																		PAS S %
		URBAN								RURAL								TOTAL	URBAN								RURAL								TOTAL	
		BOYS				GIRLS				BOYS				GIRLS					BOYS				GIRLS				BOYS				GIRLS					
		GEN	OBC	SC	ST	GEN	OBC	SC	ST	GEN	OBC	SC	ST	GEN	OBC	SC	ST		GEN	OBC	SC	ST	GEN	OBC	SC	ST	GEN	OBC	SC	ST						
VI/VII/VIII/IX	ENGLISH																																			
	MATHS																																			
	SCIENCE																																			
	SOCIAL SCIENCE																																			
	REG. LANGUAGE																																			
	HINDI																																			
XI /XII	ENGLISH																																			
	MATHS																																			
	PHYSICS																																			
	CHEMISTRY																																			
	BIOLOGY																																			
	HINDI																																			
	REG. LANGUAGE																																			
	ACCOUNTANCY																																			
	BUSINESS STUD.																																			
	ECONOMICS																																			
	HISTORY																																			
	GEOGRAPHY																																			
	COMP. SCI																																			
	INFO. PRAC.																																			
	BIO-TECH																																			
Other Subject																																				

Number of Marks Secured by Students FORMAT-III															
		Below 33	34 - 59	60 - 74	75 - 89	90 & Above						Sub. Avg	Name of teacher	Designation	Regular/Contract
VI/VIII/III/IX/X	ENGLISH														
	MATHS														
	SCIENCE														
	SOCIAL SCIENCE														
	REG. LANGUAGE														
	HINDI														
XI / XII	ENGLISH														
	MATHS														
	PHYSICS														
	CHEMISTRY														
	BIOLOGY														
	HINDI														
	REG. LANGUAGE														
	ACCOUNTANCY														
	BUSINESS STUD.														
	ECONOMICS														
	HISTORY														
	GEOGRAPHY														
	COMP. SCI														
	INFO. PRAC.														
	BIO-TECH														
	Other Subject														

AEP MONTHLY REPORT FORMAT
ADOLESCENCE EDUCATION PROGRAMME (AEP)

School's AEP Activity Report (SAAR)

(This monthly reporting format is to be filled by Principal and submitted to respective Regional Office and to Mr Rajanikanth Dasi rajanikanth.dasi@gmail.com by the 5th of every month. The regional offices should submit the consolidated reports to dcacadnvs@gmail.com by the 10th of every month)

1	Background Information				
1.1	Name of the School		1.2	Regional Office	
1.3	Address				
1.4	Submission Month and year		1.5	School System	KVS 1 NVS 2
1.6	Total number of teachers in the school	Female: Male:	1.7	Are there any Master Trainers in the school	Yes No
1.8	Number of Nodal Teachers trained	Female: Male:	1.9a	Number of teachers oriented to AEP in the reporting month	Female: Male:
			1.9b	Names of sessions completed with teachers in the reporting month	
1.10	Total number of students in Class 8	Girls : Boys :	1.11	Total of number students in Class 9	Girls : Boys :
1.12	Total sections in Class 8		1.13	Total sections in Class 9	
1.14	Total number of students in Class 10	Girls : Boys :	1.15	Total of number students in Class 11	Girls : Boys :
1.16	Total sections in Class 10		1.17	Total sections in Class 11	
2	AEP Sessions in Class 8				
2.1	Is AEP included in the time table (CCA in KV and PAP in JNV)				
2.2	Number of AEP Sessions planned in the reporting month				
2.3	Number of AEP sessions conducted				
2.4	Average attendance of the students in AEP sessions				Girls: Boys :
2.5	Names of sessions completed in the reporting month				
3	AEP Sessions in Class 9				
3.1	Is AEP included in the time table (CCA in KV and PAP in JNV)				
3.2	Number of AEP Sessions planned in the reporting month				
3.3	Number of AEP sessions conducted				
3.4	Average attendance of the students in AEP sessions				Girls : Boys :
3.5	Names of sessions completed in the reporting month				
4	AEP Sessions in Class 10				

4.1	Is AEP included in the time table (CCA in KV and PAP in JNV)		
4.2	Number of AEP Sessions planned in the reporting month		
4.3	Number of AEP sessions conducted		
4.4	Average attendance of the students in AEP sessions	Girls :	Boys :
4.5	Names of sessions completed in the reporting month		
5	AEP Sessions in Class 11		
5.1	Is AEP included in the time table (CCA in KV and PAP in JNV)		
5.2	Number of AEP Sessions planned in the reporting month		
5.3	Number of AEP sessions conducted		
5.4	Average attendance of the students in AEP sessions	Girls :	Boys :
5.5	Names of sessions completed in the reporting month		

ANNEXURE-XI

F.No.12/8/2016-JCA-2
 Government of India
 Ministry of Personnel, Public Grievances and Pensions
 (Department of Personnel and Training)
 JCA-2 Section

North Block, New Delhi
 Dated the 24th June, 2016

Subject: Holidays to be observed in Central Government Offices during the year 2017- reg.

It has been decided that the holidays as specified in the **Annexure -I** to this O.M. will be observed in all the Administrative Offices of the Central Government located at Delhi/New Delhi during the year 2017. In addition, each employee will also be allowed to avail himself/herself of any two holidays to be chosen by him/her out of the list of Restricted Holidays in **Annexure - II**.

2. Central Government Administrative Offices located outside Delhi / New Delhi shall observe the following holidays compulsorily in addition to three holidays as per para 3.1 below:

1. **REPUBLIC DAY**
2. **INDEPENDENCE DAY**
3. **MAHATMA GANDHI'S BIRTHDAY**
4. **BUDDHA PURNIMA**
5. **CHRISTMAS DAY**
6. **DUSSEHRA (VIJAY DASHMI)**
7. **DIWALI (DEEPAVALI)**
8. **GOOD FRIDAY**
9. **GURU NANAK'S BIRTHDAY**
10. **IDU'L FITR**
11. **IDU'L ZUHA**
12. **MAHAVIR JAYANTI**
13. **MUHARRAM**
14. **PROPHET MOHAMMAD'S BIRTHDAY (ID-E-MILAD)**

3.1. In addition to the above 14 Compulsory holidays mentioned in para 2, three holidays shall be decided from the list indicated below by the Central Government Employees Welfare Coordination Committee in the State Capitals, if necessary, in consultation with Coordination Committees at other places in the State. The final list applicable uniformly to all Central Government offices within the concerned State shall be notified accordingly and no change can be carried out thereafter. It is also clarified that no change is permissible in regard to festivals and dates as indicated.

1. **AN ADDITIONAL DAY FOR DUSSEHRA**
2. **HOLI**
3. **JANAMASHTAMI (VAISHNAVI)**
4. **RAM NAVAMI**
5. **MAHA SHIVRATRI**
6. **GANESH CHATURTHI / VINAYAK CHATURTHI**
7. **MAKAR SANKARANTI**
8. **RATH YATRA**
9. **ONAM**
10. **PONGAL**
11. **SRI PANCHAMI / BASANT PANCHAMI**
12. **VISHU/ VAISAKHI / VAISAKHADI / BHAG BIHU / MASHADI
 UGADI / CHAITRA SUKLADI / CHETI CHAND / GUDI PADAVA 1st
 NAVRATRA / NAURAJ/CHHATH POOJA/KARVA CHAUTH.**

- 2 -

3.2 No substitute holiday should be allowed if any of the festival holidays initially declared subsequently happens to fall on a weekly off or any other non-working day or in the event of more than one festivals falling on the same day.

4. The list of Restricted Holidays appended to this O.M. is meant for Central Government Offices located in Delhi / New Delhi. The Coordination Committees at the State Capitals may draw up separate list of Restricted Holidays keeping in view the occasions of local importance but the 9 occasions left over, after choosing the 3 variable holidays in para 3.1 above, are to be included in the list of restricted holidays.

5.1 For offices in Delhi / New Delhi, any change in the date of holidays in respect of Idu'l Fitr, Idu'l Zuha, Muharram and Id-e-Milad, if necessary, depending upon sighting of the Moon, would be declared by the Ministry of Personnel, Public Grievances and Pensions after ascertaining the position from the Govt. of NCT of Delhi (DCP, Special Branch, Delhi Police).

5.2 For offices outside Delhi / New Delhi, the Central Government Employees Welfare Coordination Committees at the State Capitals are authorised to change the date of holiday, if necessary, based on the decision of the concerned State Governments / Union Territories, in respect of Idu'l Fitr, Idu'l Zuha, Muharram and Id-e-Milad.

5.3 It may happen that the change of date of the above occasions has to be declared at a very short notice. In such a situation, announcement could be made through P.I.B./T.V./A.I.R./ Newspapers and the Heads of Department / Offices of the Central Government may take action according to such an announcement without waiting for a formal order, about the change of date.

6. During 2017, Diwali (Deepavali) falls on Thursday, October 19, 2017 (Ashvina 28). In certain States, the practice is to celebrate the occasion a day in advance, i.e., on "Narakachaturdasi Day". In view of this, there is no objection if holiday on account of Deepavali is observed on "Naraka Chaturdasi Day (in place of Deepavali Day) for the Central Government Offices in a State if in that State that day alone is declared as a compulsory holiday for Diwali for the offices of the State Government.

7. Central Government Organisations which include industrial, commercial and trading establishments would observe upto 16 holidays in a year including three national holidays viz. Republic Day, Independence Day and Mahatma Gandhi's birthday, as compulsory holidays. The remaining holidays / occasions may be determined by such establishments / organisations themselves for the year 2017, subject to para 3.2 above.

8. Union Territory Administrations shall decide the list of holidays in terms of Instructions issued in this regard by the Ministry of Home Affairs.

- 3 -

9. In respect of Indian Missions abroad, the number of holidays may be notified in accordance with the instructions contained in this Department's O.M. No.12/5/2002-JCA dated 17th December, 2002. In other words, they will have the option to select 11(Eleven) holidays of their own only after including in the list, three National Holidays and Mahavir Jayanti, Id-ul-Zuha (Bakrid), Vijay Dashmi, Muharram, Guru Nanak Birthday and Milad-un-Nabi(Id-e-Milad (Birthday of Prophet Mohammad) included in the list of compulsory holidays and falling on day of weekly off.

10. In respect of Banks, the holidays shall be regulated in terms of the extant instructions issued by the Department of Financial Services, Ministry of Finance.

11. Hindi version will follow.


(K. Salil Kumar)
Under Secretary (JCA)
☎ 23040279

Encl.: Lists of holidays

To

1. All Ministries/ Departments of Government of India.
2. UPSC/CVC/C&AG/ PMO / Lok Sabha Secretariat/ Rajya Sabha Secretariat/ President's Secretariat/Vice-President's Secretariat/ Supreme Court/ High Court/ Central Administrative Tribunal/ Election Commission of India / Minorities Commission/ National Human Rights Commission/Central Information Commission/National Commission for Women.
3. All attached and subordinate offices of Ministry of Personnel, P.G. & Pensions.
4. Secretary, Staff Side, National Council (JCM), 13-C, Ferozeshah Road, New Delhi.
5. All Staff Side Members of the National Council (JCM).
6. All Staff Side Members of the Departmental Council (JCM), Ministry of Personnel, P.G. and Pensions.
7. Chairman / Secretaries, Central Government Employees Welfare Coordination Committees (As per updated list from Welfare Section).
8. Commissioner for Scheduled Castes /Commissioner for Scheduled Tribes.
9. PS to Cabinet Secretary.
10. Deputy Secretary (Coordination), Delhi Govt. Secretariat, I.G. Stadium, I.T.O., New Delhi.
11. The Manager (Store), Government of India, Forms Store, 166, Lenin Sarai, Kolkata (with 10 spare copies).
12. Chief Secretaries to all the State Governments / Union Territories.
13. Directorate of Advertising and Visual Publicity, PTI Building, New Delhi (with 5 spare copies)
14. Deputy Director (Bills), Dte. Of Printing, B-Wing, Nirman Bhavan, New Delhi (with 5 spare copies)
15. Positional Astronomy Centre, Block-AQ, Plot No.8 Sector-V, Salt lake, Manish Bathan, Kolkata - 700091
16. Facilitation Center, DOP&T (20 copies)
17. NIC (DOPT) with the request to place this O.M. on the Website of the Department (www.persmin.nic.in)
18. 100 Spare Copies.

ANNEXURE-I

**LIST OF HOLIDAYS DURING THE YEAR 2017 FOR ADMINISTRATIVE
OFFICES OF CENTRAL GOVERNMENT LOCATED AT DELHI / NEW
DELHI**

S.No.	Holiday	Date	Saka Date	Day
1938 SAKA ERA				
1.	Republic Day	January 26	Magha 06	Thursday
2.	Maha Shivaratri	February 24	Phalguna 05	Friday
1939 SAKA ERA				
3.	Holi	March 13	Phalguna 22	Monday
4.	Ram Navami	April 04	Chaitra 14	Tuesday
5.	Mahavir Jayanti	April 09	Chaitra 19	Sunday
6.	Good Friday	April 14	Chaitra 24	Friday
7.	Buddha Purnima	May 10	Vaisakha 20	Wednesday
8.	Idul Fitr	June 26	Ashadha 05	Monday
9.	Independence day	August 15	Sravana 24	Tuesday
10.	Id-ul-Zuha(Bakrid)	September 02	Bhadra 11	Saturday
11.	Dussehra	September 30	Asvina 08	Saturday
12.	Muharram	October 01	Asvina 09	Sunday
13.	Mahatma Gandhi's Birthday	October 02	Asvina 10	Monday
14.	Diwali (Deepavali)	October 19	Asvina 28	Thursday
15.	Guru Nanak's Birthday	November 04	Kartika 13	Saturday
16.	Milad-un-Nabi or Id-e-Milad (birthday of Prophet Mohammad)	December 02	Agrahayana 11	Saturday
17.	Christmas Day	December 25	Pausha 04	Monday

ANNEXURE-II**LIST OF RESTRICTED HOLIDAYS DURING THE YEAR 2017 FOR ADMINISTRATIVE OFFICES OF CENTRAL GOVERNMENT LOCATED AT DELHI / NEW DELHI**

S.No	Holiday	Date	Saka Date	Day
SAKA ERA 1938				
1.	New Year's Day	January 01	Pausha 11	Sunday
2.	Guru Govind Singh's Birthday	January 05	Pausha 15	Thursday
3.	Makar Sankranti	January 14	Pausha 24	Saturday
4.	Pongal	January 14	Pausha 24	Saturday
5.	Basant Panchami / Sri Panchami	February 01	Magha 12	Wednesday
6.	Guru Ravidas's Birthday	February 10	Magha 21	Friday
7.	Shivaji Jayanti	February 19	Magha 30	Sunday
8.	Swami Dayananda Saraswati Jayanti	February 21	Phalgun 02	Tuesday
9.	Holika Dahan/Dolyatra	March 12	Phalgun 21	Sunday
Saka Era 1939				
10.	Chaitra Suktadi/Gudi Padava/Ugadi/Cheti Chand	March 28	Chaitra 07	Tuesday
11.	Hazarat Ali's Birthday	April 11	Chaitra 21	Tuesday
12.	Vaisakhi/Vishu	April 13	Chaitra 23	Thursday
13.	Mesadi	April 14	Chaitra 24	Friday
14.	Vaisakhadi(Bengal)/ Bahag Bihu (Assam)	April 15	Chaitra 25	Saturday
15.	Easter Sunday	April 16	Chaitra 26	Sunday
16.	Guru Rabindranath's birthday	May 09	Vaisakha 19	Tuesday
17.	Jamat-Ui-Vida	June 23	Ashadha 02	Friday
18.	Rath Yatra	June 25	Ashadha 04	Sunday
19.	Raksha Bandhan	August 07	Sravana 16	Monday

20.	Janmashtami (Vaishnav)	August 15	Sravana 24	Tuesday
21.	Parsi New Year's day/Nauraj	August 17	Sravana 26	Thursday
22.	Vinayaka Chaturthi/ Ganesh Chaturthi	August 25	Bhadra 03	Friday
23.	Onam	September 04	Bhadra 13	Monday
24.	Dussehra (Maha Saptami) (Additional)	September 27	Asvina 05	Wednesday
25.	Dussehra (Maha Ashtami) (Additional)	September 28	Asvina 06	Thursday
26.	Dussehra (Maha Navmi)	September 29	Asvina 07	Friday
27.	Maharishi Valmiki's Birthday	October 05	Asvina 13	Thursday
28.	Karaka Chaturthi (Karva Chouth)	October 08	Asvina 16	Sunday
29.	Deepavali (South India)	October 18	Asvina 26	Wednesday
30.	Naraka Chaturdasi	October 18	Asvina 26	Wednesday
31.	Govardhan Puja	October 20	Asvina 28	Friday
32.	Bhai Duj	October 21	Asvina 29	Saturday
33.	Pratihara Sashthi or Surya Sashthi (Chhat Puja)	October 26	Kartika 04	Thursday
34.	Guru Teg Bahadur's Martyrdom Day	November 24	Agrahayana 03	Friday
35.	Christmas Eve	December 24	Pausha 03	Sunday



THE CONSTITUTION OF INDIA

Preamble

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC and to secure to all its citizens:

JUSTICE, social, economic and political

LIBERTY of thought, expression, belief, faith and worship

EQUALITY of status and of opportunity

And to promote among them all

FRATERNITY assuring the dignity of the individual and the unity and integrity of the Nation

IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949,
do HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS
CONSTITUTION.



**PERSPECTIVE
ACADEMIC PLANNING
2017 - 18**

**B-15, Institutional Area,
Sector-62,
NOIDA - 201307**



विश्वजीत कुमार सिंह, भा.व.से.
Bishwajit Kumar Singh, IFS



MESSAGE

नवोदय विद्यालय समिति
Navodaya Vidyalaya Samiti

मानव संसाधन विकास मंत्रालय
Ministry of Human Resource Development
(स्कूल शिक्षा और साक्षरता विभाग)
(Deptt. of School Education & Literacy)
भारत सरकार/Government of India

The yearly edition of Perspective Academic Planning for the session 2017-18 is now being dedicated to the stakeholders for timely guidance and support and effective and judicious utilization of resources in the areas of Education and Administration. It has been authored by a team of dedicated Officers of NVS, not only to quench the variety of queries of all of you who actually materialize the perspectives of NVS at the ground level but also to meet out the challenges arising out of the glocal (global & local) political, social & economic scenario & their impact on the JNVs.

We planners firmly believe that this PAP will go a long way in realizing all the objectives of Navodaya Vidyalaya Samiti in reference to the child-centred education that we envisage. PAP will be fulcrum of activities which will push and motivate students and teachers to carry out job division and facilitate goal achievement ensuring effective monitoring and supervision in the Vidyalaya. I hope, you all will leave no stone unturned to achieve academic excellence in the Vidyalaya. Academic excellence is the demonstrated ability to perform, achieve, and / or excel in scholastic activities. This is identified with achieving high grades and superior performance. But, as you are aware, academic excellence is more than just making good grades.

You may prepare the pupils thoroughly with complete understanding of remodeled structure of assessment issued recently by CBSE and there is a need to have special focus on Board exam at Class X level from this academic session. You would agree that there is a need in all JNVs to emphasise on developing better communication skills as well as non verbal communication at Class VI-VIII to make learning more enjoyable rather than routine based process.

The objective of this annual book is to chalk out a holistic system in order to cater to the needs of the students. This will ensure work culture at every level and will bring out consistency as well as uniformity in our nationwide system.

As we steadily march ahead to make JNVs with a brand name, a leader in quality education and a centre of excellence which others could look up to, I sincerely appeal to all to go through the white leaves and contribute to achieve the vision of NVS.

Wishing my teaching fraternity a glorious academic year ahead.

Bishwajit Kumar Singh
Commissioner



ए.एन. रामाचन्द्र
संयुक्त आयुक्त (शै.)
A.N. Ramachandra
Joint Commissioner (Acad.)



नवोदय विद्यालय समिति Navodaya Vidyalaya Samiti

मानव संसाधन विकास मंत्रालय
Ministry of Human Resource Development
(स्कूल शिक्षा और साक्षरता विभाग)
(Deptt. of School Education & Literacy)
भारत सरकार/Government of India

Message

"Every person on this earth is full of great possibilities that can be realized through imagination, efforts and perseverance"

- Scott Barry Kaufman

The current issue of Perspective Academic Plan includes a few more contemporary exercises undertaken in the Vidyalayas. This document basically contains minimum expectations from the system at the ground level. This is not to be considered as a boundary for activities. Principal and Teachers have full freedom to add their creativity to grow beyond by adding the features to give full cycle of experiences to the children to help them enjoy the academic pursuits. It is said that the greater excitement for the children emanate from the view of their mind solving varied problems. As freedom to grow is available to everyone in the Vidyalayas, there is no competition for any one. Each individual has the freedom to fix his/her own targets, bench marks and mile stones of achievements. The school is therefore expected to facilitate such an environment of multiple activities with provision for the children to view their own progress themselves and improve upon each time on their own without any pressure.

In this context detailed planning helps the school to implement the activities through sharing of responsibilities amongst all the employees available in the school system to support feeling academic excitement amongst the children. Revised assessment structure recommended by CBSE has put a new dimension to the recording system of assessment of students. Children in JNVs have put forth their desire to help them to prepare for competitive examinations. It should be our endeavour to support this within the available time. Being in residential set up is an advantage to our functioning. We should be able to accommodate more requests of children in supporting their academic excellence. Continuing the 'non verbal reasoning games/puzzles' with the children, arranging expert lectures/demonstrations and providing strong assistance in cultural exposure may help the children to enjoy the academic atmosphere more interestingly and with due involvement.

Varieties of activities planned in the perspective academic plan is expected to gain greater participation of all the children. Every school shall try to workout activities for school improvement tasks regularly. Quality in each of the activity shall be the master factor in implementation and assessment.

"working Hard for something we don't care about is called stress. Working hard for something we love is called passion"

I wish all the success to the dedicated team of teachers and staff in their pursuits of support to Talented Children.

(A N Ramachandra)

NAVODAYA VIDYALAYA SAMITI, NOIDA

VISION STATEMENT

NVS visualizes to providing good quality modern education to the talented students predominantly from rural areas, irrespective of their socio-economic status, through the use of modern techniques and pedagogy, in a stress free environment to make the learning a joyful experience.

To nurture and promote the talent and creativity of the students by providing them best opportunities and resources to make them more resourceful, innovative, creative, competitive, cooperative, collaborative, adaptive, and productive members of ever changing global society.

To develop integrated personality of the students under residential co-educational setup of its Vidyalayas leading to character building through value orientation and ultimately developing students to be good human beings and an asset to our Nation.

To make every JNV as an excellent pace setting school in the District with regards to sharing of resources and expertise with neighbouring schools for improving quality of education.

To be a Brand Name in the field of global school education system.

MISSION

1. NVS recognizes that each child is an individual; that all children are creative; that all children need to succeed. Therefore, NVS respects the individual needs of children; fosters a caring, peaceful, nurturing, and creative environment; and emphasizes the physical, intellectual, social, emotional, and spiritual development of each child.
2. To assure learning experiences that will assist our students to achieve their greatest potential to adapt and adjust to a diverse and ever changing society, and that diversity of gender, physical or mental ability, culture, and background is strength to be respected.
3. To achieve 100% results with distinction in all the subjects.
4. Effective Implementation of Continuous and Comprehensive Evaluation.
5. To motivate the students to imbibe values by providing equal opportunities in the residential system.
6. To further strengthening and promoting the Residential Culture of JNVs for the holistic development of Navodaya students.
7. To encourage the students to learn life skills through their involvement in the planned activities.
8. Setting up of language labs to enhance language learning competency and communication skills.
9. Making mathematics and junior science labs better equipped to develop analytical skills and scientific temper.
10. Equipping class rooms with better and upgraded ICT tools.
11. Ensuring effective academic monitoring and supervision through panel inspections and other mechanism.
12. To provide awareness among the students for protection of environment by planning more trees, landscaping, and green auditing.
13. To make the staff and students more conscious of the safety and security inside and outside the JNV campus by organizing workshops, seminars, lectures, and mock drills related to the issues of safety and security at the Vidyalaya Level.
14. To empower teachers through a comprehensive schedule of training for professional development.

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

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क्र.सं.	माह	पाठ का नाम	क्रिया—कलाप/परियोजना कार्य	टिप्पणी
1.	जुलाई	1. वह चिड़िया जो (कविता) 2. बचपन (संस्मरण) 3. नादान दोस्त (कहानी) 4. अवधपुरी में राम (बाल राम कथा) 5. वर्ण विचार—स्वर, व्यंजन, उच्चारण 6. वर्तनी लेखन व उच्चारण (व्याकरण)	1. बचपन की किसी घटना का छात्रों द्वारा वर्ग में वाचन एवं लेखन 2. दन्त्य तालव्य एवं मूर्धन्य स, श,ष के शब्दों का संकलन एवं उच्चारण करे	आवधिक परीक्षा—1
2.	अगस्त	1. चाँद से थोड़ी सी गप्पे (कविता) 2. अक्षरों का महत्त्व (निबंध) 3. पार नजर के (कहानी) 4. जंगल और जनकपुर 5. दो वरदान (बाल राम कथा) 6. भाषा के प्रकार, क्रिया	1. चाँद से गप्पों की जगह आप कोयल से बात करें एवं अपने शब्दों में लिखें।	
3.	सितम्बर	1. साथी हाथ बढ़ाना (गीत) 2. ऐसे—ऐसे (एकांकी) 3. टिकट एलबम (कहानी) 4. राम का वनगमन, चित्रकूट में भरत, दण्डक वन में 10 वर्ष (बाल राम कथा) 5. उपसर्ग व प्रत्यय (व्याकरण)	1. साथी हाथ बढ़ाना का 'काव्यचित्र' बनाये। 2. विभिन्न डाक टिकटों या प्रेरक प्रसंगों का एलबम तैयार करें।	
4.		पुनरावृत्ति, अर्धवार्षिक परीक्षा—1		

5.	अक्टूबर / नवम्बर	<ol style="list-style-type: none"> झाँसी की रानी (कविता) जो देखकर भी नहीं देखते (निबंध) छूना और देखना (केवल पढ़ने के लिए) संसार पुस्तक है (पत्र) मैं सबसे छोटी होऊँ (कविता) सोने का हिरन, सीता की खोज राम और सुग्रीव (बाल राम कथा) शब्द सम्पदा—तत्सम, तद्भव, पर्यायवाची, विलोम, एकार्थी, अनेकार्थी(व्याकरण) 	<ol style="list-style-type: none"> स्वतंत्रता संग्राम में महिलाओं का योगदान विषय पर आलेख लिखें। दृष्टिहीन व्यक्ति से प्रकृति के अनुभव प्राप्त कर लिखें। 	
6.	दिसम्बर	<ol style="list-style-type: none"> लोकगीत (निबंध) दो हरियाणवी लोकगीत (केवल पढ़ने के लिए) नौकर (निबंध) वन के मार्ग में (कविता) लंका में हनुमान लंका विजय (बाल राम कथा) संज्ञा, सर्वनाम (व्याकरण) 	<ol style="list-style-type: none"> गांवों में विवाह के अवसरों पर गाये जाने वाले दस लोकगीतों का स्वयं का आडियो तैयार कीजिए। काव्य पाठ का अभ्यास कीजिये 	आवधिक परीक्षा – 2
7.	जनवरी	<ol style="list-style-type: none"> साँस—साँस में बाँस *पार नज़र के (कहानी) पेपर मेसी (केवल पढ़ने के लिए) राम का राज्याभिषेक (बाल राम कथा) विशेषण, लिंग, वचन, कारक, पत्र—लेखन (व्याकरण) 	<ol style="list-style-type: none"> अपने घरों में पायी जाने वाली बाँस से बनी वस्तुओं की सूची तैयार कीजिए। क्ष त्र ज श्र सयुक्त व्यंजनों का उच्चारण एवं संकलन कीजिये 	
8.	फरवरी	<ol style="list-style-type: none"> मत बांटो इन्सान को (केवल पढ़ने के लिए) मुहावरें और लोकोक्तियाँ * क्रिया निबंध लेखन, संधि (व्याकरण). पूर्ण पाठ्यक्रम की पुनरावृत्ति 	<ol style="list-style-type: none"> 'वाग्मिता' (Elocution) का अभ्यास कीजिये 	

मार्च - वार्षिक परीक्षा

नवोदय विद्यालय समिति, नोएडा
पाठ्यक्रम विभाजन सत्र- 2017-18

कक्षा-06,

विषय- हिन्दी (कोर्स-ब)

माह	कार्य दिवस	अंक भार	पाठ का नाम/ निर्धारित विषयवस्तु (इकाई)	टिप्पणी
जुलाई 2017	27	1. परियोजना कार्य (15) 2. वार्तालाप (15) 3. प्रदत्त कार्य (10) 4. गृह कार्य (10)	प्रथम – सत्र वर्णमाला, बारहखड़ी, संयुक्ताक्षर, दूर्वा भाग-1: 1. शब्द बनाने की विधि (उदा.: कलम, किताब, घर, पतंग, भालू, झरना, धनुष, आदि) 2. देवनागरी में संख्या लेखन व्याकरण: 1. स्वर और व्यंजन 2. लिंग 3. वचन	परीक्षा-1 आवधिक
अगस्त 2017	25		दूर्वा भाग – 1: 1. रुमाल, 2. कक्षा, 3. गुब्बारा, 4. पर्वत, 5. हमारा घर, 6. कपड़े की दुकान में, 7. जी हाँ, जी नहीं, का प्रयोग व्याकरण: 1. विलोम शब्द, 2. अनेक शब्दों के लिए एक शब्द, 3. 'र' के विभिन्न रूप।	
सितंबर 2017	09	1. अपठित गद्यांश/ पद्यांश(10) 2. पठित गद्यांश/ पद्यांश(10) 3. रचना कार्य (10) 4. व्याकरण (20) 5. पाठ्य पुस्तक (40)	दूर्वा भाग-1: व्याकरण: पूर्व पठित पाठ्यक्रम की पुनरावृत्ति एवं	
अर्धवार्षिक परीक्षा-1				
द्वितीय – सत्र				
अक्टूबर 2017 नवंबर 2017	17		दूर्वा भाग- 1: 1. शीलांग से फोन 2. तितली (कविता) – नर्मदा प्रसाद खरे 3. ईश्वरचंद्र विद्यासागर व्याकरण: सर्वनाम	

दिसंबर 2017	25	1. परियोजना कार्य (15) 2. वार्तालाप (15) 3. प्रदत्त कार्य (10) 4. गृह कार्य (10)	दूर्वा भाग- 1: 1. प्रदर्शनी 2. चिट्ठी (कविता) – प्रकाश मनु 3. यात्रा की तैयारी 4. डॉक्टर से बातचीत व्याकरण: 1. अपठित गद्यांश, 2. नमूने के अनुसार बदलो	आवधिक परीक्षा – 2
जनवरी 2018	23		दूर्वा भाग- 1: 1. अंगलीमाल (बोध कथा) 2. हाथी (कविता) – सर्वेश्वर दयाल सक्सेना 3. जयपुर से पत्र व्याकरण: 1. अनेच्छेद लेखन	
फरवरी 2018	24	1. परियोजना कार्य (15) 2. वार्तालाप (15) 3. प्रदत्त कार्य (10) 4. गृह कार्य (10)	दूर्वा भाग- 1: 1. बड़े चलो (कविता)– द्वारिका प्रसाद माहेश्वरी 2. व्यर्थ की शंका 3. गधा और सियार व्याकरण: 1. अनेक शब्दों के लिये एक शब्द, 2. पत्र	
मार्च 2018	23	1. अपठित गद्यांश / पद्यांश(10) 2. पठित गद्यांश / पद्यांश(10) 3. रचना कार्य (10) 4. व्याकरण (20) 5. पाठ्य पुस्तक (40)	पूर्व पठित पद्यक्रम की पुनरावृत्ति एवं	
मार्च - वार्षिक परीक्षा				

NAVODAYA VIDYALAYA SAMITI					
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18					
CLASS :VI			SUBJECT : ENGLISH		
MONTHS	PERIODS	WEIGHTAGE/TESTS	UNITS/SUBUNITS & TOPICS TO BE COVERED		ACTIVITIES /ASSINGMENTS
			HONEY SUCKLE	GRAMMAR & COMPOSITIONS	
			A PACT WITH THE SUN		
JULY	32	Periodic Test – I	POETRY 1.A House,A home SUPPLEMENTRY READER 1.A Tale of Two Birds PROSE 1.Who Did Patrick's Homework?	Developing Foundation Parts of Speech Basic Sentence Structures Short Paragraph Writing Ex. I like / dislike homework	Discussion on : a) Pet animals b) Home sweet home Listening Skills : Nursery Rhymes Speaking Skills : Recitation of Poem Speaking on the topics Assigned
AUGUST	32		PROSE 2.How the Dog Found Himself a New Master POETRY 2.The Kite 3.The Quarrel SUPPLEMENTRY READER 2.The Friendly Mongoose 3.The Shepherd's Treasure	Adjectives Opposites,Collective Nouns Word formation Writing stories using Hints Ex. Faithful animal - Dog	Listening Skills : Stories Speaking Skills : Describe the process of making a kite Describe the most memorable fight with brother/sister Cross Word Puzzle
SEPTEMBER	18		PROSE 3.Taro's Reward 4.An Indian American women in space- kalpana Chawla POETRY 4.Beauty SUPPLEMENTRY READER 4.The Old Clock Shop	Usage of Prefixes Tense & Conjunction Phrases Formal Letter-To school, Authorities,Application for Leave Unseen Passage	Listening skills : Biography of Great Personalities Speaking on the topics assigned Recitation of Poems Collect information about Indian astronauts and scientists. Tongue - Twister
Half Yearly Exam					

OCTOBER/NOVEMBER	36		PROSE 5.A Different Kind of School 6.Who I Am POETRY 5.Where Do All the Teachers Go SUPPLEMENTARY READER 5.Tansen 6.The Monkey & the Crocodile	One word for a group of words Rearrange jumbled words into sentence Paragraph Writing with inputs Phrases Opposities	Listening Stories/conversation Speaking skills- Story telling Write about yourself, parents, village,district, aim dream,strength and weakness Create own Dictionary Acquaintance with British and American English
DECEMBER	36	Periodic Test – II	PROSE 7.Fair Play 8.A Game of Chance Poetry 6.The Wonderful Words SUPPLEMENTARY READER 7.TheWonders Called Sleep 8.A Pact with the Sun	Framing questions Usage of word as Noun &Verb Usage of to be forms Usage of 'there and it' as subject Homonyms Dialogue writing	Listening skills-Paragraph Speaking skills-Role Play Presenting Conversations Describing a Village Fair. Read about some outdoor and indoor games
JANUARY	32		PROSE 9.Desert animal POETRY 7.Vocation SUPPLEMENTARY READER 9. What Happened to the Reptiles?	Usage of Prepositions Degrees of Comparison Usage of has to/have to/had to Letter Writing-informal Adjectives – Superlative Degree	Listening Task Preparing the Desert Animal's Profile in Groups Speech on topics assigned
FEBRUARY	30		PROSE 10.The Banyan Tree POETRY 8.What if Supplementary Reader 10.A Strange Wrestling Match	Integrated grammar Practice Paragraph writing Unseen Passages Adjectives – ComparativeDegree	Listening Task Speaking skills- Present small Skits in the class Describing pictures Describe any interesting match played in your school
MARCH	REVISION & YEARLY EXAMINATION				

NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VI**SUBJECT: MATHEMATICS**

MONTH	NO. OF DAYS	PERIODS AVAILABLE	WEIGHTAGE OF MARKS	UNITS/SUB UNITS TO BE COVERED	SUBJECT ENRICHMENT ACTIVITIES
TERM – 1					
JUNE/JULY	26	26	13	Basic Fundamental & Operations of Mathematics at Primary level. KNOWING OUR NUMBERS Comparing Numbers, Shifting digits, Indian system & International system of numeration, Estimation of numbers, Estimating outcomes of number situation, Using brackets and expanding brackets, Roman numbers WHOLE NUMBERS Number line, Addition, Subtraction, Multiplication of whole number, Properties of Whole numbers & Pattern in Whole numbers.	Activities-1&2 PERIODIC TEST- 1
AUGUST	26	26	12	PLAYING WITH NUMBERS Factors and Multiples, Primes, Composite, Even and Odd numbers, Sieve of Eratosthenes. Test for divisibility of numbers by 2,3,4,5,6,8,9,10 and 11. Common factors and common multiples, Prime factorization, H.C.F and L.C.M	Activities-3&4
			13	BASIC GEOMETRICAL IDEAS Points, Line segments, Intersecting Lines, Parallel lines, Ray, Curves. Open & Closed figures, Interior and exterior of closed figures, Polygon, Angles, Triangles, Quadrilaterals and Circles UNDERSTANDING ELEMENTARY SHAPES Measuring line segments, Types of angles, Intersecting & Perpendicular lines, Parallel lines, Measuring angles. Classification of triangles based on sides and angles. Types of Quadrilaterals, Identification of 3-D shapes, Element of 3-D figure.	
SEPTEMBER	12	12	14	INTEGERS How negative number arose, Models of negative number in daily life, connection to ordering of integers, Addition and subtraction of integers, Addition & subtraction of integers using number line. REVISION	Activities-5
HALF YEARLY EXAMINATION					

TERM – II					
OCTOBER/NOVEMBER	32	32	12	FRACTIONS A fraction, fraction on a number, line, Proper, Improper & Mixed fraction, Equivalent fraction & Composition of Fraction, Addition and subtraction of fractions, Word problems involving addition and subtraction of fractions.	Activities-6 & 7
			12	DECIMALS Inter conversion of fraction and decimals, Place value in context of decimal fraction, Comparing decimals, Addition, Subtraction of numbers with decimals, use of decimals in our daily life.	
			12	DATA HANDLING What is data? Organization of data, Pictograph, Interpretation and drawing of a pictograph, Bar graph, Interpretation and drawing of a bar graph.	
DECEMBER	22	22	10	ALGEBRA Match stick patterns, The idea of a variable & examples, Use of variables in common rules Expression with variables, Using expression practically., Equation and solution.	Activities-8 PERIODIC TEST - 2
			12	MENSURATION Introduction, Perimeter of a rectangles, square, equilateral triangle, Areas of triangle, squares, Deducing the formulae of the perimeter for a rectangle and square through pattern and generalization.	
JANUARY	24	24	10	RATIO AND PROPORTION Ratio and Proportion, Unitary method, Word problems.	Activities – 9&10
			06	PRACTICAL GEOMETRY Construction of circles, Drawing of a line segment, Construction of perpendicular bisector of a line segment, Drawing a line perpendicular from a point (i) On the line (ii) Outside the line. Constructing an angle of a given measure,	
FEBRUARY	23	23	06	SYMMETRY Making symmetric figures, Figures with two lines of symmetry, Reflectional symmetry, Application of reflectional symmetry.	
MARCH: REVISION AND YEARLY EXAMINATION					

SUGGESTED MATHS LAB ACTIVITIES

- List out real/day to day situations where we can use numbers
- Collect bus tickets- note the serial numbers –test for divisibility.
- Verify addition and Multiplication is commutative for whole numbers by paper cutting and pasting.
- Finding prime numbers between 1 to 100 by Eratosthenes sieves method.
- To classify the triangle based on sides and angles from the given set of triangle.
- To make the following shapes using a pair of set squares.
 - Square (ii) Rectangle (iii) Parallelogram (iv) Rhombus (v) Trapezium.
- To make prism, pyramid using their nets, and find their no. of vertices, edges and faces.
- To perform addition and subtraction of integers using different colored buttons / counters.
- Representing some data by means of bar graph.
- To determine the number of lines of symmetry of squares, triangles & rectangles etc. by paper folding.
- A skit on value of zeros
- Using matchstick formation of different type of plane figures.
- List down 10 English letters, which has line symmetry.
- To make cube using the given net and count the no. of faces vertices and edges.
- To check which of the given nets can be folded to get a cube.
- To find the LCM of two given numbers by using number grid.
- To represent decimal numbers 0.25, 0.5, 0.75, 0.68 etc, using a 10X10 grid.
- To find the area of palm impressions on a grid paper of each group member, by counting the squares.
- Using graph sheets verification of areas of plane, figures like square, rectangle, crossroads, and triangle.
- By paper folding method, construct perpendicular bisector of the line.
- To make tangram
- To make design using circle and its parts.
- List out situations where angles are made of acute/right/obtuse angles-example- roof top.

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS -VI**SUBJECT-SCIENCE**

S.No.	Month	Chapter/Topic to be cover	No. of Period	Weigh- tage	Exam	REMARK
1.	July	1. food where does it comes from 2. Components of food	8 8	5 6	Periodic written -1	
2.	August	3. Fibre to fabric 4. Sorting of materials into group	10 10	10 10		
3.	September	5. Separation of materials 6. Changes Around us	8 7	8 5		
4.	October	7. Getting to know the plants	6	6	Half yearly Exam.	
5.	November	8.Body movements	6	6		
6.	December	9. Living organism & their surrounding 10. Motion & measurement of distance 11. Light shadow & Reflection	8 8 8	6 5 5	Periodic written -2	
7.	January	12. Electricity and circuit 13 Fun with magnet. 14. Water	6 6 5	4 4 4		
8.	February	15.Air 16. Garbage in Garbage out	8 6	4 3		
9.	March	RIVISION & YEARLY Exam			Yearly Exam.	10% of syllabus from half yearly

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SPLIT-UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS -VI**SUBJECT-SOCIAL SCIENCE**

S. No	Month	No. Of Days	Period Aivalable	Units/Sub Unit To Be Convered	Period Required	TEST / EXAM
01	July	26	22	<ul style="list-style-type: none"> ➤ What Where How and When? ➤ Onthe Trail Of The Earliest ,People ➤ The Earth In The Solar System ➤ Understanding Diversity ➤ From Gathering To Growing Food 	5 5 4 4 4	Periodic test-1
02	August	26	20	<ul style="list-style-type: none"> ➤ In the Earliest Cities ➤ Globe :Latitude And Longitude ➤ Diversity And Discrimination ➤ What Is Government? ➤ What Boots Burials Tell Us 	4 4 4 4 4	
03	September	12	12	<ul style="list-style-type: none"> ➤ Kingdom , King And Early Republics ➤ Motion Of The earth ➤ Maps ➤ Key Elements Democratic, Government 	4 3 2 3	Half Yearly Exm.
NOTE BOOK SUBMISSION 5 MARKS SUBJECT ENRCHMINT 5 MARKS						
04/ 05	Oct/Nov.	32	21	<ul style="list-style-type: none"> ➤ New Questions And Ideas ➤ Ashoka, The Emperor Who Gave Up War ➤ Major Domains Of The Earth ➤ Panchayati Raj 	6 6 5 4	Periodic Written Test-II
06	December	26	22	<ul style="list-style-type: none"> ➤ Vital Villages ,Thriving Towns ➤ Traders ,Kings And Pilgrims ➤ Major Land Froms Of The Earth ➤ Rural Adminstration ➤ Urban Administration 	5 5 4 4 4	
07	January	26	20	<ul style="list-style-type: none"> ➤ New Empires And Kingdoms ➤ Building ,Paintings And Books ➤ Our Country-India ➤ Rural Livelihood 	5 6 5 4	
08	15 th Feb	12	10	<ul style="list-style-type: none"> ➤ Urban Livelihood ➤ India Climate,Vegetation And Wild Life 	4 6	
09	March			Revision		Yearly Examination
NOTE BOOK SUBMISSION 5 MARKS, SUBJECT ENRCHMINT 5 MARKS						

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VI

SUBJECT: COMPUTERS

S.NO.	MONTH	NO. OF DAYS	UNITS/SUB UNITS TO BE COVERED	PERIOD REQUIRED	TESTS	ACTIVITY
01	July	24	<u>COMPUTER BASICS</u> <ul style="list-style-type: none"> What is a Computer? Benefits of computer. History of Computer. Components of a Computer. <ul style="list-style-type: none"> a) Hardware components. b) Software components. c) output and input devices Features of the Computers. Strengths and Limitations of Computers Computer memory. Storage Devices and their importance Different types of printers Generation of Computers: <ul style="list-style-type: none"> ○ first generation ○ second generation 	08	Periodical test-1	Showing devices in internet
02	August	26	<u>INTRODUCTION TO WINDOWS</u> <ul style="list-style-type: none"> Operating System Exploring the desktop. Exploring My Computer Exploring Windows Applications of Windows Data management on Computers. 	08		What are the types operating systems
03	September	24	<u>INTRODUCTION TO LOGO</u> <ul style="list-style-type: none"> Introduction to Logo. The turtle logo's prompt Application of logo Exploring logo window Turtle basics Basic logo commands Entering logo basics Introduction to write procedures 	08		Practical showing use of logo
HALF YEARLY EXAMINATION						

05	Oct/Nov.	31	<u>USING PAINT BRUSH</u> <ul style="list-style-type: none"> • Introduction. • How to start paint brush • Home tab. • Pencil, eraser, fill with colour, pick colour, brush, air brush Text tool, shapes, magnifier. 	08		Practical showing use of PAINT
06	December	25	<u>NOTE PAD</u> <ul style="list-style-type: none"> • Introduction • Menu commands <ol style="list-style-type: none"> a) File. b) Edit. c) Search. d) Format e) Word Wrap. f) Font. g) Help • Image menu command. <ol style="list-style-type: none"> a) Flip /rotate. b) Stretch/Skew c) Invert Colours d) Attributes. e) Clear Image. 	08	Periodical test-2	USES OF NOTE PAD
07	January	21	<u>NOTEPAD (CONTINUED)</u> <p>Options menu command.</p> <ol style="list-style-type: none"> a) Edit colours, b) Get colours. c) Save colours. <ul style="list-style-type: none"> • Draw Opaque. • Help • Colour, Pallete Drawing Tools 	08		USES OF NOTE PAD
08	15 th February	13	<u>MS WORD</u> <ul style="list-style-type: none"> • Introduction to MS WORD. • Steps for starting WORD. • Components of WORD Screen. • Creating a new document. • Opening an existing WORD Document. • Word processing. • Important features of MS Word.. • Editing in MS WORD. <ol style="list-style-type: none"> a) Typing text. b) Selecting the text. c) Copy, cut, paste the text d) Deleting the text. Saving the document. • Printing of documents 	08		OPERATING SYSTEM WITH HELP KEY BOARD WITH OUT USING MOUSE
09	March		Revision	Yearly Exam.		

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS: VI

SUBJECT: ART (VISUAL)

MONTH	No. OF DAYS	PERIODS FOR THE UNIT	TOPICS TO COVER	MEDIUM / MATERIALS
JUNE / JULY		8	DEFINITION OF FINE ARTS : Different types of visual arts - Painting, Sculpture, Applied art, Craft * Images of paintings, sculptures, applied art-prints etc., craft etc. can be shown to students and discussed with them.	Pencil , Colour
AUG		8	INTRODUCTION TO DIFFERENT ART MATERIALS : Presentation may be made UNDERSTANDING ELEMENTS OF ARTS : Theory and practical both should be learnt by students simultaneously. i. Lines - Types and characteristics of line: straight lines, curve lines, horizontal lines, vertical line, circular & angular lines, - Features of Line * Examples of different types of lines should be shown from historical and contemporary paintings. ii. Colour - primary, secondary and tertiary colours. - Students can prepare colour wheel by using primary, secondary and tertiary colour Prepare simple composition by using primary, secondary and tertiary colours. iii. Form - different types of forms - man made forms - geometrical forms	Different Mediums

				Students should be encouraged to observe Traditional Paintings Drawings Designs to understand various treatments of lines in Art forms in their surroundings and their relationship with space.	
SEPT		8		<p>UNDERSTANDING BASIC SHAPES:</p> <ul style="list-style-type: none"> - Students can see the geometrical forms in their surroundings of Vidyalaya and Math laboratory. - Basic shapes like circle, triangle, rectangle, square, hexagon, octagon etc. Also, pictures of monuments can be shown to explain the geometrical forms n buildings. <p>INTRODUCTION TO COLOUR:</p> <p>Primary, secondary colours , tonal variations , etc and colouring them</p>	Poster / Water Colour
				HALF YEARLY EXAM.	
OCT /NOV		8		<p>UNDERSTANDING 3 DIMENTION THROUGH CLAY / PAPER PULP / ANY AVAILABLE MATERIALS LIKE P O P FOR E.g. :</p> <ul style="list-style-type: none"> - What is the composition of clay. How to prepare clay for modeling (b) Quality of clay (c) Handling of clay (d) Prepare simple pots by using clay coil/paper pulp, coil/ birds and any kind of objects. (e) Theory- Indus valley civilization <p>Show the items of Indus valley civilization like coin, ball, dancing girl, read etc. A video presentation/Photos/ through computer / books.</p> <p>(a) Call the local expert/ resource person/ potter to demonstrate students , remuneration may be paid from the Vidyalaya.</p>	Clay / Paper Pulp / Pop / Any Other If Available with Art Room and Separate space for Sculpturing
DEC		8		<p>UNDERSTANDING ELEMENTS OF ARTS :</p> <p>iv. Texture</p> <ul style="list-style-type: none"> - What is texture – in an object by touching and visual appearance? - Students may be asked to collect different textures and make it on paper by rubbing 	Different Mediums

			<p>pencil (technique of frottage)</p> <ul style="list-style-type: none"> - How printing takes place, specially block printing? What is block? - They can be given exercise of printing with colours using actual objects such as, coin, rough surfaces of leaves and trees, pieces of vegetable like potato, ladyfinger etc. and asked to find different kinds of forms <p>v. Space</p> <ul style="list-style-type: none"> - What is space virtually and visually? <p>This can be explained by taking students in an open ground/ space and by showing them some of the paintings by Indian artists and explain space. They can be now given exercises.</p>	
JAN		8	<p>CRAFT WORK:</p> <ul style="list-style-type: none"> (a) What is craft. (b) Paper craft (c) Short brief of paper craft. (d) Wastage materials. (e) Students can prepare models/ animal figures through wastage materials. (f) By cutting or folding students can prepare show piece items. (g) Students can prepare puppet local craft by using paper/ wastage materials. <p>A Small workshop can be Arranged with the help of a local Craftsman from the nearby area as per the fund availability</p>	Any Materials Suitable But Should Be Non Toxic
FEB		8	<p>UNDERSTANDING PRINT AND DESIGN:</p> <p>Concept of design and print , preparation of vegetable block and repetitive printing and designing ,introduction to the design (geometric & freehand) and colour them in monochrome as well as multi colour</p>	Poster / Water Colour / Ink
YEARLY EXAMINATION				

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT- UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS: VI

SUBJECT: MUSIC

OBJECTIVES

- *Expose the student through music to the cultural multiplicity of the Country's five different regions – North, South, East, North-east and West – in an interesting manner*
- *Arouse healthy curiosity in the students' mind about the vast variety of music which may lead to analysis and research at their level*
- *Stimulate an interest in the student to study music further at the Secondary and Higher Secondary levels giving him/her the opportunity for research and documentation in music as well as pursue it as career*
- *Instill in the student the sense of values that the arts in general and music in particular are based on.*

The aim of music education is to get maximum exposure about Indian music without it becoming a burden or reason for monotony and boredom. Music is closely interlinked with the geography, social structure, festivals, dance, regional theatre, heritage crafts as well as different forms of visual arts, common beliefs and occupation. A lesson in music would become an opportunity for the student to be given a Pan-Indian awareness of it. How a song or musical piece is rendered, on what occasion and where it is presented would be extremely significant in order to relate music to different subject areas being taught in the classroom as well as to the life outside it. All this would be a part of the syllabus from which the student would gain an understanding about the diversity in musical genres stemming from tribal, regional and urban cultures and sensibilities.

APRIL/JUNE	CONTENTS
	Welcoming students to music class with simple songs of their choice
	Introduction of basic concepts like 'Laya' and 'swara' with help of simple songs
	'Navodaya Song'
July	Theory: Sruti, Swara, Tala – Saptha swaras and Aditala.
	One regional language song
	Song 'Vande Mataram'
August	Theory: 12 swarasthanas, Rupaka Tala.

	Song 'Raghupathi raghava'
	Saralivarisas
September	Theory: Musical instruments and their categories
	Song 'Jai jan Bharath'
	One regional language song
	Saralivarisas continues.
October	Theory: Raga, Jaathis of Talas.
	Song 'Sare Jahanse Acha'
	Madhyasthayi Varisas.
November	Revision of Previous lessons
	Song in Other languages
	Theory: Musical instruments and their categories- continues
	Folk Song (local language)
	Madhyasthayi Varisas continues
December	Theory: Sampoorana Ragas.
	Song in Other languages
	Jhanda Varisas
January	Theory: Janya ragas
	Song 'Hind desh'
	Jhanda varisas continues.
February	Theory: Geetha, Swarajathi
	Revision of Previous lessons
	Jhanda Varisas continues.
March	Evaluation

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT- UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS-VI**SUB: PHYSICAL EDUCATION**

- Morning jogging and warming-up exercises and evening games to be conducted (except Sunday and holidays).
- Battery test to be conducted in the beginning and end of the year.
- Exercises should be given to develop motor quality of the child (speed, strength, endurance, coordination, and flexibility).

Month	Physical Education		Physical & Health Education- Theory
	Morning	Evening	
July	<ul style="list-style-type: none"> • Jogging and warming up. • Free hand exercises for coordination. • Battery test(to analyze their ability) • Yogasana: Suryanamaskara, Padmasana, Parvathasana. 	Recreation games (minor games).	<ul style="list-style-type: none"> • Personal hygiene. • Meaning, definition and scope of physical and health education.
August	<ul style="list-style-type: none"> • Jogging and warming up. • Practice of turnings (right, left, right about) kadam taal and marching. • Free hand exercises for coordination. • Yogasana: Suryanamaskara, Baddhapadmasana, vrukshasana. 	<ul style="list-style-type: none"> • Selecting students to appropriate games and sports based on battery test analysis. • Initiation of practice. 	Aims and objectives of physical and health education.
September	<ul style="list-style-type: none"> • Jogging and warming up. • March past practice. • Improvised version of free hand exercises. • Yogasana: Suryanamaskara, Vajrasana and Vupavajrasana. 	<ul style="list-style-type: none"> • Practice of basic skills of Kho-Kho & Kabaddi and basic movements of Athletics (jumping & bounding exercises). 	<ul style="list-style-type: none"> • Social hygiene and its importance. • Rules and regulations o Kho-Kho & Kabaddi.

October/ November	<ul style="list-style-type: none"> • General fitness exercises. • Coordination exercises • Turns with marching. • Yogasana: Suryanamaskara, Gomukhasana, Paadahasthasana. 	<ul style="list-style-type: none"> • Implementation of basic defensive and offensive skills of Kho-Kho & Kabaddi. • Different work outs for improved movements in athletics. 	<ul style="list-style-type: none"> • Awareness about food and nutrition. • Basic theories of athletics -track and field event
December/ January	<ul style="list-style-type: none"> • Rhythmic activities • Gymnastics: different types of roll and cart wheel. • Practice of light pyramids. • Yogasana: suryanamaskara, Sarvangasana, Halasana. 	Practice matches of kho-kho and kabaddi games.	<ul style="list-style-type: none"> • Awareness about diet, Environmental Hygiene. • Measurement of kho-kho & kabaddi courts.
February/ March	<ul style="list-style-type: none"> • Practice of all above said activities. • Yogasana : Suryanamaskara, Trikonasana, Veerabhadrasana 	Battery tests and result analysis.	<ul style="list-style-type: none"> • Awareness about communicable diseases • First Aid.

Suggestions:

- Inter House matches will be conducted as per the schedule of department of physical education of respective Vidyalayas.
- Trekking and Hiking can be conducted once in a year.

नवोदय विद्यालय समिति

माहवार एवं सामयिक परीक्षा वार पाठ्यक्रम विभाजन 2017-18

कक्षा: VII

विषय: हिन्दी -अ

S. NO.	MONTH	NO. OF DAYS	PERIOD AVAILABLE	पाठ्यक्रम विभाजन	Examination		
						Periodic Test	
सामयिक परीक्षा 1 वार्षिक परीक्षा							
1	APRIL	22	20	° हम पंछी उन्मुक्त गगन के (कविता)		1st Periodic Test	
				° दादी माँ (कहानी)			
				° हिमालय की बेटियाँ			
				° बाल महाभारत:- देवव्रत, भीष्म प्रतिज्ञा, विदुर, कुंती, भीम, कर्ण। व्याकरण:- भाषा, भाषा के प्रकार, वर्ण विचार, वर्तनी ।			
2	MAY/JUNE/JULY	25	21	° फुले कदंब (केवल पढ़ने के लिए)			
				° कठपुतली (कविता)			
				° बाल महाभारत:-द्रोणाचार्य, लाख का घर, पांडवों की रक्षा, द्रोपदी स्यंवर। व्याकरण:- संज्ञा, सर्वनाम, अपठित गद्यांश, पद्यांश			
3	AUGUST	26	23	° रक्त और हमारा शरीर (निबंध)			
				° पापा खो गए (नाटक)			
				° शाम एक किसान(कविता)			
				° चिड़िया की बच्ची (कहानी)			
4	SEPTEMBER	12	11	° अपूर्व अनुभव (संस्मरण)			
				° बाल महाभारत कथा इंद्रप्रस्थ, जरासंध,शकुनि का प्रवेश, चौसर का खेल, द्रोपदी की कथा, धृतराष्ट की चिंता, भीम और हनुमान, द्वेष करनेवाले का जी नहीं भरता, मायावी सरोवर, यक्ष प्रश्न। व्याकरण वाक्य विचार, उपसर्ग-प्रत्यय, मुहावरे, शुद्ध-अशुद्ध, पर्यायवाची, लिंग,वचन, विलोम शब्द, पत्र, निबंध, वाक्यांश के लिए एक शब्द।			

5	OCTOBER	17	13	° रहीम के दोहे(कविता)		2 nd Periodic Test
				° कंचा (कहानी)		
				° एक तिनका (कविता)		
				° खान पान की बदलती तस्वीर(निबंध)		
				° बाल महाभारत कथा अज्ञातवास, प्रतिज्ञा-पूर्ति, विराट का भ्रम, मंत्रणा, राजदूत संजय।		
				° व्याकरण -एकार्थी, अनेकार्थी शब्द		
6	NOVEMBER	25	20			
				° व्याकरण -एकार्थी, अनेकार्थी शब्द		
6	DECEMBER	14	11	बाल महाभारत कथा - शांति दूत श्रीकृष्ण पांडवों और कोरवों के सेनापति पहले से नौवा दिन तक।		
				° व्याकरण -चित्र वर्णन, कहानी लेखन।		
				नीलकंठ (रेखा चित्र)		
7	JANUARY	18	14	° भोर और बरखा(कविता)		
				° वीर कुँवर सिंह (जीवनी)		
				° संघर्ष के कारण मैं तुनक मिजाज हो गया(साक्षात्कार)		
8	FEBRUARY	24	17	° आश्रम का अनुमानित व्यय (लेखा जोखा)		
				° विप्लव गायन (कविता)		
				° भीष्म शर शैया पर, बारहवाँ दिन, अभिमन्यु, युधिष्ठिर की चीता और कामना, भुरिश्रवा, जयद्रथ और आचार्य द्रोण का अंत ,करन और दुर्योधन भी मारे गए, अश्वत्थामा, युधिष्ठिर की वेदन, पांडवों का धृतराष्ट्र के प्रति व्यवहार, श्रीकृष्ण और युधिष्ठिर व्याकरण वाक्य विचार अर्थ के आधार पर, विशेषण, अपठित गद्यांश, पद्यांश, पत्र, निबंध,सार लेखन और कारक		
9	MARCH - वार्षिक परीक्षा					

नवोदय विद्यालय समिति
माहवार एवं सामयिक परीक्षा वार पाठ्यक्रम विभाजन 2017-18

कक्षा : सातवीं

विषय : हिंदी-ब

क्रमांक	महीना	दिनों की संख्या	उपलब्ध कालांश	पाठ जो पढ़ाए जाने हैं	वांछित कालांश	परीक्षाएं
						सामयिक / मियादी परीक्षा
सामयिक लिखित परीक्षा/ वार्षिक परीक्षा						
1	अप्रैल	22	20	चिड़िया और चुरुंगन (हरिवंश राय बच्चन)		प्रथम मियादी परीक्षा (कुल 30 प्रतिशत पाठ्यक्रम
				सबसे सुंदर लड़की (विष्णु प्रभाकर)		
				मैं हूँ रोबोट (राजीव गर्ग)		
				व्याकरण वर्ण, वचन, विशेषण , द्वित्व किया, वाक्य रचना		
2	मई / जुलाई	25	21	गुब्बारे पर चीता, (प्रेमचंद)		
				थोड़ी धरती पाऊँ (सर्वेश्वर दयाल सक्सेना)		
				गारो ,लोक कथा,		
				व्याकरण विलोम शब्द, संयोजक , सर्वनाम प्रयोग, मुहावरे , युग्म शब्द (पाठ संबंधी)		
				प्रथम सामयिक परीक्षा		
	अगस्त	26	22	पुस्तकें जो अमर हैं,(मनोज दास)		20 प्रतिशत पाठ्यक्रम
				काबुली वाला,(रविन्द्रनाथ टैगोर)		
				विश्वेश्वरैया, (आर के मूर्ति), हम धरती के लाल, (शील)		
				वार्तालाप लेखन, गद्य लेखन, समानार्थी शब्द, प्रत्यय।		
4	सितंबर	12	10	वाक्य विश्लेषण(सद्देश्य विधेय) लिंग परिवर्तन, विशेषण बनाना, निबंध लेखन।		
				पुनरावृत्ति एवं अर्धवार्षिक परीक्षा		

अर्धवार्षिक परीक्षा					
5	अक्टूबर	17	14	पोंगल, शहीद झलकारी बाई(संकलित)	द्वितीय मियादी परीक्षा
				नृत्यांगना सुधा चंद्रन (रामाज्ञा तिवारी)	
				मुहावरे लेखन अर्थ सहित, विशेषण , पुनरावृत्ति	
6	नवंबर	25	20	पानी और धूप. (सुभद्रा कुमारी चौहान).	
				गीत कविता (केदारनाथ अग्रवाल)	
				वाक्य संरचना एवं प्रयोग (द्वित्व शब्द) ध्वन्यात्मक शब्द, वाक्य परिवर्तन, (प्रश्नार्थक) अर्थ की दृष्टि से	
6	दिसंबर	6	6	शब्दों का वाक्य में प्रयोग, शब्द संपदा।	
				पुनरावृत्ति एवं द्वितीय सामयिक परीक्षा	
7	जनवरी	18	15	मिट्टी की मूर्तियों(निबंध, अतिरिक्त पठन हेतु,) जया विवेक	
				मौत का पहाड़ चित्रकथा	
				मुहावरे लेखन प्रत्यय का प्रयोग, विलोम शब्द उपसर्ग	
8	फरवरी	24	20	हम होंगे कामयाब एक दिन(गीत अतिरिक्त पठन हेतु) गिरिजा कुमार माथुर	
				विराम चिह्न , प्रश्नार्थक सर्वनामों का प्रयोग,	
				पुनरावृत्ति पाठ काबुली वाला, पुस्तकें जो अमर हैं, थोड़ी धरती पाऊँ, मैं हूँ रोबोट	
9	मार्च		पुनरावृत्ति एवं वार्षिक परीक्षा		

NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VII**SUBJECT: ENGLISH**

S.No	MONTH	No.OF DAYS	PERIOD AVAILABLE	UNITS/SUB UNITS TO BE COVERED			EXAMINATION
							Periodic Test
Periodic Written Test 1/ Yearly Examination							
A) Reader -Honeycomb B) Supplementary- An Alien Hand				Grammar & Composition	Subject Enrichment Activities		
1	April	22	20	1. Three Questions 2.Gopal & the Hilsa Fish 1.The Tiny Teacher a) The Squirrel(poem)	1. Number and Person 2. Verb & Noun Forms 3.Simple Paragraphs 4.Parts of Speech 5. Reading unseen passage	1.Saying thoughts in the assembly 2.Administering pledge 3.Story telling in the class	1 st Periodic Test
2	May/June/July	26	30	3.Gift of Chappals a) The Rebel (poem) B) The Shed (poem) 2.Bringing up Kari	1. Simple Determiners 2. Articles 3.Prepositions 4.Formal Letters	1. Introduce yourself in pairs 2.Picture story in groups 3.Saying about hobbies.	
3	August	26	30	4. The Ashes That Made Trees Bloom 3. The Desert 4.The Cop and the Anthem a) Chivvy (poem)	1. Simple Stories 2. Voice 3.Conditional Clause 4. Informal Letters	1. Listening practices and tests. 2. Speaking on given topics 3.Ideal reading	
4	September	12	11	5. Quality a) Trees (poem) 5 Golu Grows a Nose	1. Tenses and usage 2. Arrangement of jumbled words.	1.Sharing experience 2.Speaking on occasions 3.Dialogue Delivery	
HALF YEARLY EXAM.							

5	October	17	13	6. Expert Detectives 6. I want something in a cage a) Mystery of talking fan(poem)	1. Tense and suitable verbs 2. Report Writing	1.Interviewing friends 2.Reporting School Programs 3. Speech	
6	November	17	13	7) Invention of Vita Wonk 7) Chandni a)Dad and the cat and the tree(poem)	1. Reported Speech 2. Notices	1.Small skits/Role Play 2. Speaking Assignments	
7	December	14	11	8. Fire-Friend and Foe 8. The Bear Story a) Meadow Surprises (Poem)	1. Tenses and voice 2. Story Writing 3. Describing a visual	1.Speaking Assignments 2. Narrating Incidents.	2 nd Periodic Test
8	January	18	14	9. A Bicycle in a good repair a) Garden Snake 9. A Tiger in the house	1. Practice of functional grammar 2. Complaint letter 3. Simple Debates	1.Sharing experience 2.Speaking on occasions 3.Dialogue Delivery	
9	February	24	17	10. The Story of Cricket 10. An Alien hand Revision	1. Phrasal verbs 2. Use of Has to, Have to, Had to	1. Listening Practices	
10	March -Yearly Examination						

Note: For Term-II / Yearly-Examination Question-Paper consisting of 20% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VII**SUBJECT: MATHEMATICS**

S. NO.	MONTH	NO. OF DAYS	PERIOD AVAILABLE	UNITS/SUB UNITS TO BE COVERED	PERIOD REQUIRED	EXAMINATION
						PERIODIC TEST
Periodic Written Test 1 / Yearly Examination						
1	APRIL	22	22	° Integers: Number System <ul style="list-style-type: none">• Knowing our Numbers• Multiplication and division of Integers• Properties of integers• Word Problems	8	
				° Fractions & Decimals : <ul style="list-style-type: none">• Multiplication of Fractions• Division of Fractions• Decimals• Multiplication of Decimals• Division of DecimalsWord Problems	14	
2	MAY/JUNE/JULY	25	25	° Lines and Angles: <ul style="list-style-type: none">• Understanding shapes• Pairs of angles• Properties of parallel lines and related problems.	15	1st Periodic Test
				° Data Handling: <ul style="list-style-type: none">• Collections & Organisation of Data• Mean, Median & Mode of ungrouped data• Constructing bar graphs• Chance and Probability	10	
3	AUGUST	26	26	° Perimeter & Area: <ul style="list-style-type: none">•Area of Squares & Rectangles•Area of a Parallelogram•Area of a Triangles	14	

				<ul style="list-style-type: none"> •Circumference of a Circle •Area of a Circle 		
				°Algebraic Expressions : <ul style="list-style-type: none"> • Generate algebraic expression Involving one or two variables • Identifying constant, coefficients and Terms • Identifying Like and Unlike terms • Monomial, Binomial, Trinomial and Polynomials • Addition and Subtraction of expressions • Finding the value of an expression • Using Algebraic Expression Formula and Rules 	12	
4	SEPTEMBER	12	12	° Visualising solid shapes: <ul style="list-style-type: none"> • Plane Figures and Solid Shapes • Nets for Building 3 - D Shapes • Drawing Solids on a Flat Surface (Oblique & isometric sketches) • Visualising solid objects • Viewing Different sections of solids. ° REVISION	6	
5	OCTOBER	17	17	° Rational Number : <ul style="list-style-type: none"> • Need for a Rational Numbers • Rational Numbers in Standard Form • Comparison of Rational Numbers • Finding Rational Numbers • Operation on Rational Numbers 	17	
6	NOVEMBER	25	25	° Simple Equations: <ul style="list-style-type: none"> • Formation of Simple equation • Solving simple linear equation • Application of simple linear equation to practical situations. 	12	
				° Triangle and its properties : <ul style="list-style-type: none"> • Medians, Altitudes of a triangle • Exterior Angle of a triangle and its properties • Angle sum property of a triangle • Two special triangles Equilateral and Isosceles triangles • Sum of the Lengths of two Sides of a Triangle • Right Angled Triangles and Pythagoras Property 	13	
6	DECEMBER	6	6	° Symmetry : Lines of symmetry for regular polygon <ul style="list-style-type: none"> • Reflection Symmetry 	14	

2nd Periodic Test

				<ul style="list-style-type: none"> • Rotational Symmetry • Line Symmetry & Rotational Symmetry 		
7	JANUARY	18	18	° Congruence of Triangle: Meaning of Congruence Congruence of plane figure Criteria for Congruence of Triangles. <ul style="list-style-type: none"> • SSS Congruence • SAS Congruence • ASA Congruence • RHS Congruence 	8	
				° Comparing Quantities : <ul style="list-style-type: none"> • Ratio & Proportion • Percentage • Converting fractional & Decimal Numbers to Percentage • Application of Profit & Loss • Application of Simple Interest 	10	
8	FEBRAURY	24	24	° Practical Geometry : <ul style="list-style-type: none"> • Construction of lines • Construction of Triangles 	7	
				° Exponents and Powers : <ul style="list-style-type: none"> • Laws of Exponents • Decimal Number System • Expressing large numbers in the standard form 	7	
				° Revision	10	
9	MARCH			Yearly Examination		

Note: For Term-II / Yearly-Examination Question-Paper consisting of 20% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLI-TUP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VII**SUBJECT: SCIENCE**

S. No	MONTH	NO.OF DAYS	PERIOD AVAILABLE	TOPICS TO BE COVERED (UNIT/SUB UNITS)	SUBJECT ENRICHMENT ACTIVITIES	PERIOD REQUIRED	Examination Periodic Test
Periodic Written Test 1 / Yearly Examination							
1	APRIL	22	11	Chapter 1: NUTRITION IN PLANTS Mode of nutrition in plants (autotrophic/heterotrophic) Photosynthesis. Synthesis of food other than carbohydrates. Host parasite, insectivore's plant, saprotrophes, and symbiotic relationship. How nutrients are replenish in soil.	Activity 1.1,1.2 Extended learning activities and projects given at the end of chapter.	11	1st Periodic Test
			11	Chapter 2: NUTRITION IN ANIMALS Different ways of taking food. Digestion in humans. The food pipe/esophagus. The stomach. The small intestine. Absorption in small intestine. Large intestine. Digestion in grass-eating animals. feeding and digestion in amoeba	Activity 2.1,2.2,2.3,2.4 Extended learning activities and projects given at the end of chapter.	11	
2	MAY / JUNE / JULY	25	10	chapter 3: FIBER TO FABRIC Animal fibers-wool. Animal that yield wool. From fibers to wool. Processing fiber into wool. Animal fibers-Silk, life history silk moth, From cocoon to silk.	Activity 3.1,3.2,3.3,3.4,3.5, 3.6,3.7 Extended learning activities and projects given at the end of chapter.	10	
			11	Chapter 4: HEAT Hot and cold. Measuring temperature. Reading of thermometer. Transfer of heat (conduction, convection, radiation). Kinds of clothes we wear in summer and winter	Activity 4.1,4.2,4.3,4.4,4.5, 4.6,4.7,4.8,4.9,4.10 , 4.11 Extended learning activities and projects given at the end of chapter.	11	

3	AUGUST	26	8	Chapter 5: ACIDS, BASES AND SALTS Acids and bases. Natural indicators around us. Litmus- a natural dye. China rose as indicator. Turmeric as indicator. Neutralization. Neutralization in everyday life.	Activity 5.1,5.2,5.3,5.4,5.5, 5.6,5.7, Extended learning activities and projects given at the end of chapter.	8	
			6	Chapter 6: PHYSICAL AND CHEMICAL CHANGES Physical changes. Chemical changes. Rusting of iron. Galvanization. Crystallization	Activity 6.1,6.2,6.3,6.4,6.5, 6.6,6.7,6.8,6.9,6.1 0, Extended learning activities and projects given at the end of chapter	6	
			6	Chapter 7: WEATHER CLIMATE AND ADAPTATION OF Adaptation to climate. Weather. Climate. Climate and adaptation. The polar regions. The tropical rainforests.	Activity 7.1,7.2, Extended learning activities and projects given at the end of chapter	6	
			6	Chapter 8: WINDS, STORMS AND CYCLONES. Air exerts pressure. High speed winds are accompanied by reduced air pressure. Air expands on heating. Wind currents are generated due to uneven heating on earth. Thunderstorms and cyclones. Destruction caused by cyclone. Effective safety measures. Advanced technology has helped.	Activity 8.1,8.2,8.3,8.4,8.5, 8.6 Extended learning activities and projects given at the end of chapter	6	
4	SEPTEMBER	12	11	Chapter 9: SOIL Soil learning with life. Soil profile. Soil types. Properties of Soil. Moisture in soil. Absorption of water by soil. Soil and Crops.	Activity 9.1,9.2,9.3,9.4,9.5, 9.6 Extended learning activities and projects given at the end of chapter	11	
HALF YEARLY EXAM							
5	OCTOBER	17	8	Chapter 10: RESPIRATION IN ORGANISMS Why do we respire? Breathing. How do we breathe? What do we breathe out? Breathing in other animals. Breathing under water. Do plants also respire?	Activity 10.1,10.2,10.3,10.4, 10.5,10.6 Extended learning activities and projects given at the end of chapter	8	

			8	Chapter 11: TRANSPORTATION IN ANIMALS AND PLANTS. Circulatory system. Blood. Blood vessels. Heart. Heart beat. Excretion in animals. Excretion in humans. Transport of substances in plants. Transpiration.	Activity 11.1,11.2,11.3. Extended learning activities and projects given at the end of chapter	5	
6	NOVEMBER	25	10	Chapter 11: TRANSPORTATION IN ANIMALS AND PLANTS Excretion in animals. Transportation of substances in plants. Transpiration.		10	2nd Periodic Test
			15	Chapter 12: REPRODUCTION IN PLANTS, Modes of reproduction. Asexual reproduction. Vegetative propagation. Budding. Fragmentation. Spore formation. Sexual reproduction in plants. Pollination and fertilization. Fruits and seed formation. Seed dispersed.	Activity 12.1,12.2,12.3,12.4 . Extended learning activities and projects given at the end of chapter	15	
7	DECEMBER	6	6	Chapter 13: MOTION AND TIME Slow or fast. Speed. Measurement of time. Units of time and speed. Measurement speed. Distance – time graph.	Activity 13.1,13.2,13.3,13.4 . Extended learning activities and projects given at the end of chapter	14	
8		18	6	Chapter 14: ELECTRIC CURRENT AND ITS EFFECTS Symbols of electric components. Diagrammatic representation of electric circuits. Heating effect of electric current. Electric fuses. Magnetic effect of electric current. Electromagnets. Electric bell.	Activity 14.1,14.2,14.3,14.4,14.5,14.6 Extended learning activities and projects given at the end of chapter	6	

			6	Chapter 15: LIGHT Light travels along a straight line. Reflection of light. Playing with spherical mirror. Images formed by lenses. Dispersion of light.	Activity 15.1,15.2,15.3,15.4 ,15.5,15.6 ,15.7,15.8,15.9,15. 10,15.11, 15.12 Extended learning activities and projects given at the end of chapter	6
			6	Chapter 16: WATER A PRECIOUS RESOURCE. How much water is available? Forms of water. Water cycle. Ground water as a precious resource. Depletion of Water table. Increasing population. Agriculture activities. Distribution of water. Water management. What role you can play. Effect of water scarcity in plants.	Activity 16.1,16.2,16.3,16.4 ,16.5, Extended learning activities and projects given at the end of chapter	6
9	FEBRUARY	24	8	Chapter 17: FOREST OUR LIFE LINE Visit to a forest. Interrelationship of plants, animals. Decomposers and soil in a forest. Importance of forests.	Activity 17.1,17.2,17.3, Extended learning activities and projects given at the end of chapter	8
			8	Chapter 18: WASTE WATER STORY Water our life line. What is sewage? Water freshens up – An eventful journey. Waste water treatment plant (WWTP). Better housekeeping practices. Sanitation and diseases. Alternative Arrangement for sewage disposal. Sanitation at public places.	Activity 18.1,18.2,18.3,18.4 Extended learning activities and projects given at the end of chapter	8
10	MARCH		YEARLY EXAMINATION 2017-18			

Note: For Term-II / Yearly-Examination Question-Paper consisting of 20% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VII**SUBJECT: SOCIAL SCIENCE**

S. NO.	MONTH	NO. OF DAYS	PERIOD AVAILABLE	UNITS/SUB UNITS TO BE COVERED	PERIOD REQUIRED	Examination
						Periodic Test
1	APRIL	22	20	° Tracing changes through a thousand years	6	
				° Environment	5	
				° Inside our Earth	5	
				° On Equality	4	
2	MAY/JUNE/JULY	25	21	° New Kings and Kingdoms	5	1st Periodic Test
				° The Delhi Sultans	5	
				° Our Changing Earth	4	
				° Role of Government in Health	3	
				° How the State Government works	4	
	AUGUST	26	23	° The Mughal Empire	6	
				° Rulers and Buildings	6	
				° Air	5	
				° Growing up as Boys and Girls	6	
4	SEPTEMBER	12	11	° Women change the world	6	
				° Water	5	

5	OCTOBER	17	13	° Towns, Traders and Crafts persons	5		
				° Understanding Media	4		
				° Natural Vegetation and Wildlife	4		
6	NOVEMBER	25	20	° Understanding Advertising	3	2nd Periodic Test	
				° Tribes, Nomads and Settled Communities	5		
				° Human Environment-Settlement, Transport and Communication	6		
				° Devotional Paths to the Divine	6		
7	DECEMBER	14	11	° Human Environment Interactions- the Tropical and Subtropical Regions	6		
				° Markets Around Us	5		
8	JANUARY	18	14	° The Making of the Regional Cultures	6		
				° Life in the Temperate Grass Land	5		
				° A Shirt in the Market	3		
9	FEBRAURY	24	17	° Eighteenth Century Political Formations	5		
				° Life in the Deserts	4		
				° Struggles for Equality	4		
				° Map Work / Revision	4		
10	MARCH			Yearly Examination			

Note: For Term-II / Yearly-Examination Question-Paper consisting of 20% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI, NOIDA

SPLIT UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS: VII

SUBJECT: COMPUTERS

S.NO.	MONTH	NO. OF DAYS	UNITS/SUB UNITS TO BE COVERED	PERIOD REQUIRED	TESTS
01	APRIL/JUNE	22	<u>Introduction to Internet.</u> <ul style="list-style-type: none"> • What is a network? • Types of Network • What is an internet? • History of internet. • Applications of internet. • What do you need to start internet. • World Wide Web. 	08	
02	JULY	25	<u>Introduction to internet part-2.</u> <ul style="list-style-type: none"> • Exploring the internet. • Using the internet explorer. • Search engines. • Exploring the search engine. • Refining your search. • Saving information from internet. • Intranet 	08	PERIODIC TEST-I
03	AUGUST	26	<u>WORKING WITH EXCEL-1</u> <ul style="list-style-type: none"> • introduction – workbook & worksheet • use in day to day life • steps to start excel • components of excel screen • various data types • Table Creating in MS Excel • Cell reference in MS Excel • Functions in MS Excel • Sorting of Data in MS Excel • Filtering Data in MS Excel • Conditional Formatting • Protection of Workbook & Worksheet 	09	
04	SEPTEMBER	24	<u>WORKING WITH POWER POINT</u> <ul style="list-style-type: none"> • What is power point? • Insert a new slide. • Insert an image. • Word art. • Audio and video. • Transitions in slide. • Custom animations. 	08	
HALF-YEARLY EXAMINATION					

05	OCTOBER	17	ELECTRONIC MAIL: <ul style="list-style-type: none"> • Advantages and disadvantages of social media/sites • Creating Gmail Account • Features of Gmail Account • Compose Mail • Upload & Attachment • Downloading • Forwarding and Reply • Recipient 	06	
06	NOVEMBER	25	COMPUTER SECURITY: <ul style="list-style-type: none"> • Threats to Computer • Virus and its Types • Antivirus • Software and Types of Software • Firewall and its use • Cyber Crime • Backup and Restore • Cyber Law and Importance 	08	
07	DECEMBER	21	FUNDAMENTALS OF COMPUTERS: <ul style="list-style-type: none"> • Basic Structure • I/O Devices • Number System 	08	PERIODIC TEST-II
08	JANUARY	13	MULTIMEDIA-1: <ul style="list-style-type: none"> • Introduction to Multimedia • Definition and use of Multimedia • Hardware and Software Required • Media Player • How to open and use 	08	
09	FEBRUARY		MULTIMEDIA-II: <ul style="list-style-type: none"> • Sound Recorder • Movie Maker • Inserting Image • Setting Timeline • Publishing Movie 		
10	March		YEARLY EXAMINATION		

Note: For Term-II / Yearly-Examination Question-Paper consisting of 20% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS-VII

SUBJECT: VISUAL ART

S.No.	Month		Topics	Periodic Test
1	APRIL	8	1. PRINCIPLES OF ART AND DESIGN: - Tone <i>Student can prepare tonal variation by using different coloured leaves found in their Vidyalaya surroundings.</i> - Harmony - Balance - Rhythm	1st Periodic Test S.No. 1,2,3,(practical-10, file-5, Craft -5
2	MAY	8	2. STUDY OF OBJECTS (STILL LIFE): (a) <u>Basic still life</u> (b) How to make objects (c) Proportion (d) Three dimensional object. (e) Show light & shade using pencil (Different shade), water colour monochrome. (f) Arrange at least two or three objects for still life.	
3	JULY	8	3. STUDY OF NATURE AND ENVIRONMENT: (a) Brief knowledge of nature and environment. (b) Flora and fauna (outdoor) texture (c) Indoor flower, Foliage study. (Shape, line drawing, light and	

			<p>shade.) using, pencil, charcoal, water color, pastel.</p> <p>(d) - <u>Outdoor - Arrange simple landscape of vidyalaya part using pencil charcoal, water colour pastel.</u></p>	
4	AUGUST	8	<p>4. COMPOSITION DRAWING:</p> <p>(a) <u>Memory drawing</u></p> <p>(b) How to compose a painting /drawing on day to day life subject, i.e. regional fare, views of a village, views of market, busy city, rainy season, etc.</p> <p>(c) Show the painting of Mughal style for reference of composition.</p>	
5	SEPTEMBER	8	<p>5. CALLIGRAPHY :</p> <p>(a) Concept of calligraphy</p> <p>(b) What is calligraphy</p> <p>(c) Hindi/ English/ Regional language calligraphy can be prepared by the students free hand or with the help of graph paper.</p> <p>(d) <u>Make sentences.</u></p>	
Half-yearly Exam				
6	OCTOBER	8	<p>6. 3 DIMENTIONAL MODELING:</p> <p>(a) Terracotta/ Paper Mache / POP</p> <p>(b) Slab & coil work.</p> <p>(c) Prepare simple pot using slab coil system.</p> <p>(d) Birds, animal, doll, etc.</p>	
7	NOVEMBER	8	<p>7. GREETING CARD:</p> <p>Preparation of greetings for different occasions in different methods like drawing, colouring, pasting, craftwork etc.</p>	

8	DECEMBER	8	8. FOLK ART : (a) Concept of folk art (origin, History, social , impact) (b) Regional folk art (available in their nearby places) (c) Style and colour combination (d) Folk forms & composition.	Periodic Test 2
9	JANUARY	8	9. DESIGN DRAWING: (a) Concept of Design (b) Types of design - Geometrical - Natural - Decorative - Abstract (c) Rangoli	
			MARCH	Year end Exam.

Note: For Term-II / Yearly-Examination Question-Paper consisting of 20% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VII**SUBJECT: MUSIC**

MONTH	TOPICS
APRIL	<ol style="list-style-type: none"> 1. Alankar Practice with sudha swaras 2. Nation song-Vande Matram 3. Revision of nation Anthem and Navodaya Prayer song
MAY	<ol style="list-style-type: none"> 1. Definition of sangeet and swara 2. Community song(any one)
JULY PWT - 1	<ol style="list-style-type: none"> 1. Alankar practice in different pattern with sudh swara 2. Definition of aroha, abroha, pakad, jati/Kruti/Thillana 3. Any one prayer song other than Navodaya Prayer
AUGUST	<ol style="list-style-type: none"> 1. Revision of previous songs 2. One folk song of any state 3. Sare Jahan Se Achha 4. Definition of Taal and Laya/Musical for Padam
SEPTEMBER	<ol style="list-style-type: none"> 1. Revision of previous alankars 2. Description of Taal-Dadra and Kaharwa/Jagali 3. Any one patriotic or community songs based on Taal-Dadra or Kaharwa
HALF-YEARLY EXAMINATION	
OCTOBER	<ol style="list-style-type: none"> 1. Live sketch of Mia Tansen 2. Any one Bhajan 3. Revision of previous Taals/Jagali
NOVEMBER	<ol style="list-style-type: none"> 1. Definition of Meend, Kanswar 2. Swarmalika of Raga Yaman/Rag Kalyan 3. Any one folk song
DECEMBER PWT-2	<ol style="list-style-type: none"> 1. Revision of previous alankars 2. Definition of Sam, Taali, Khali/Musical instrument of Indian classical Music (Karnatak/Hindustani) 3. Description of Raga Yaman/Rag Mohana/Sanakaradhama 4. Bandish of Raga Yaman
JANUARY	<ol style="list-style-type: none"> 1. Introduce with different musical instruments 2. Any one Hindi patriotic song
FEBRUARY	<ol style="list-style-type: none"> 1. Any one regional patriotic song 2. Revision of theory done in previous months
MARCH	<ol style="list-style-type: none"> 1. Revision of whole year syllabus

Note: For Term-II / Yearly-Examination Question-Paper consisting of 20% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS: VII**SUBJECT: PHYSICAL EDUCATION**

1. Morning Jogging warm up Exercises and evening games to be conducted regularly.(Except Sunday and Holidays)
2. Battery Test to be conducted in the beginning end of the year.
3. Exercises should be given for whole round development of the child.
4. Meditation to be done in the end of the Session.

S. No.	MONTH	NO. OF DAYS	PHYSICAL EDUCATION		
			MORNING (45 Minutes)	EVENING (90 Minutes)	THEORY (4 periods in the month)
2	APRIL	22	1. Jogging & Warming-up 2. Free Hand exercise 3. Battery Test (To analyse the ability of the child)	As per ability the students grouped in to different games, like: handball, Kho-Kho, Kabaddi, Athletics, Volleyball, Basketball etc.	1. Meaning and definition of Physical Education. 2. Meaning of good health. 3. Importance of a Proper Diet for optimal growth and development.
2	MAY / JUNE / JULY PWT-1	25	1. Running and short sprints. 2. Stretching Exercise 3. Yoga Asana -->Padamasanas -->Bhujanasanas -->Parvatnasanas	1. Practice Basic Skills of different games. 2. Athletics--> Practice of sprints and Jumps.	1. Effect of exercise on the different Body Parts and body systems . 2. Importance of physical fitness. 3. Different components of physical fitness.
3	AUGUST	26	1. Jogging and warming up. 2. Different Body Exercise 3. March Past Practice 4. Yoga Asanas -->Surya Namaskar -->Vajranasanas	1. Practice of Skills and techniques of Kho-Kho. 2. Marching formation.	1. Theory, Rules and regulations by the games Kho-Kho. 2. Ground Measurements of Kho-Kho. 3. Personal Hygiene

4	SEPTEMBER HALF-YEARLY EXAMINATION	12	1. Continuous Running practice 2. Mass PT Exercise/Table Exercise. 3. Yoga Asanas→ Hal Asan→ Gomukh Asanas	1. Practice Rules and Regulations of Kabaddi. 2. Indoor games practice like: Chess, Carom, Badminton.	1. Rules and regulations of Kabaddi. 2. Definitions of Yoga. 3. Importance of Yoga in Daily Life.
6	OCTOBER/ NOVEMBER	17+2 5	1. Running and Warming up 2. Exercises with apparatus Dumbbells/ Lezium/ hops/ ropes ribbons Exercise. 3. Meditation/ Pranayama.	1. Practice of Skills and Techniques of Handball.	1. Rules and regulations of the game Handball. 2. Ground Measurement of Handball. 3. Importance of Meditation/ Pranayama.
6	DECEMBER/ JANUARY PWT-2	14+1 8	1. Jogging and warming up. 2. Rhythmic/. Aerobic Exercises.	1. Practice Matches of Different Games. 2. Knowledge and practice of different Athletics Events.	1. Fundamentals of track and field events. 2. Ground Measurements for different events.
8	FEBRUARY/ MARCH	24	1. Jogging and warming up exercises. 2. Battery Test. (To analyse the performance in the end of the Session) 3. Yoga Asanas→ Sarvangasans→ Paschimotanasanas	1. Practice and Perfection of different events. 2. Check the Performance Level of students	1. Meaning and importance of Motivation 2. Role of Motivation in the field of sports 3. Career in sports YEARLY EXAMINATION

Suggestions:

- Interhouse Matches will be conducted weekly as per the schedule.
- Yoga Asana Practice should be done every Thursday in the Morning Session.
- Cross Country will Half Yearly Exam./ Yearly Exam. be conducted fortnight within the campus.

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04	flrEcj	24	30	1- igkM+ ls mWpk vkneh¼thouh&dsoy i<+us ds fy,½ 2- dchj dh lkaf[k;kW ¼dfork½ 3- dkepkj ¼dgkuh½	03 03 04 10	

				4- ;qxksa dk nkSj ¼'kakfriw.kZ fodkl vkSj ;q} ds rjhds fodkl vkSj gzkl½i" B la0 52ls 71 5- O;kdj.k&fØ;k vkSj eqgkojs]fuca/k dk izk:i	10	v/kZokf"kZd ijh{kk
05	vDVq cj@u oEcj	27	35	1- tc flusek us cksyuk lh[kk 2- dEl;wVj xk;sxk xhr ¼vkys[k& dsoy i<+us ds fy,½ 3- lqnkek pfjr 4- tgkW ifg;kW gSA 5- u;h leL;k,a&i" B la0 72 ls 91¼Hkkjr dh [kkst½ dk;kZy;h i= ,oa fuca/k k	04 03 03 03 10 12	
06	fnlEcj	25	31	1- firk ds ckn ¼dfork&dsoy i<+us ds fy,½ 2- vdcjh yksVk ¼dgkuh½ 3- lwj ds in ¼dfork½ 4- vafre nkSj&1&i" B la0 92 ls 105 5- O;kdj.k& okD; ds Hksn¼vFkZ rFkk jpuk ds vk/kkj ij½	02 04 03 10 12	f}rh;vkof/kd ijh{kk
07	tuojh	23	28	1- ikuh dh dgkuh 2- ge i" Foh dh larku ¼dsoy i<us ds fy,½ 3- ckt vkSj lkWi ¼dgkuh½ 4- vafre nkSj&2&ruko i" B la0 106 ls 116 ¼Hkkjr dh [kkst½ 5- O;kdj.k&laf/k&foPNsn	03 02 04 10 09	
08	Qjojh	13	16	1- Vksih ¼dgkuh½ 2- nks i" BHkwfe;kW&Hkkjrh; vkSj vaxzsth&i" B la;k 117 ls 120¼Hkkjr dh [kkst½ 3- f'kdk;rh ,oa laca/kh i=] fuca/k ¼ladsr fcUnqvksa ij vk/kkfjr½ 4- iqujko`fÜk	03 03 07	
09	ekpZ			30 izfr'kr iz'u v/kZokf"kZd iwoZ ikB~;Øe ls okf"kZd ijh{kk esa 'kfey		okf"kZd ijh{kk

fu/kkZfjr iqLrdsa%&

- 1- olar Hkkx&03 ikB~; iqLrd% ,u- lh-bZ-vkj-Vh- }kjk izdkf'krA
- 2- Hkkjr dh [kkst& ,u-lh-bZ-vkj-Vh- }kjk izdkf'krA
- 3- fgUnh O;kdj.k ,oa jpuk A

नवोदय विद्यालय समिति,नोएडा						
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18						
विषय- हिन्दी (पाठ्यक्रम-ब)					कक्षा- अष्टम्	
प्रथम सत्र						
क्र. स.	माह	दिनों की संख्या	निर्धारित घंटी	पाठ का नाम	अपेक्षित घंटी	आवधि / अर्ध वार्षिक / वार्षिक परीक्षा
1	अप्रैल	24	30	दूर्वा भाग-3 1. गुड़िया (कविता) 2. दो गौरैया (कहानी) व्याकरण- परिभाषा, परिचय 1.स्वर और व्यंजन, 2.श्रोत के आधार पर शब्दों के भेद, 3. 'र' के विभिन्न रूप 4. नुक्ता,	03 05 04 06 08 02 02	
2	जुलाई	27	35	दूर्वा भाग-03 1.चिट्ठियों में यूरोप (पत्र) 2. ओस (कविता) व्याकरण:- 1.संज्ञा 2.लिंग 3.विलोम 4.पर्यायवाची 5.वचन 6.पत्र लेखन	05 03 06 03 03 03 03 08	प्रथम आवधिक परीक्षा 20 अंक
3	अगस्त	25	31	दूर्वा भाग-03 1.नाटक में नाटक (कहानी) 2. सागर यात्रा (यात्रा वृत्तांत) 3. उठ किसान ओ (कविता) व्याकरण:- 1.अपठित गद्यांश 2. अपठित पद्यांश(अभ्यास कार्य)	04 04 03 10 10	
4	सितम्बर	24	30	दूर्वा भाग-03 1.सस्ते का चक्कर (एकांकी) 2. एक खिलाड़ी की कुछ यादे (संस्मरण) 3. बस की सैर (कहानी) व्याकरण- 1.उपसर्ग 2. प्रत्यय, 3.मुहावरा 4.अनुच्छेद लेखन	04 04 04 04 04 04 06	अर्धवार्षिक परीक्षा (80 अंक)
5	अक्टूबर / नवम्बर	27	35	दूर्वा भाग-03 1.मारिया नेज्येशी (भेटवार्ता) 2. आषाढ़ का पहला दिन (कविता) 3.अन्याय के खिलाफ (स्वतंत्रता की कथा) व्याकरण:- 1.अनेकार्थी 2.वाक्यांश के लिए एक शब्द, 3.विराम चिह्न का प्रयोग	04 03 05 04 04 04	

				4.श्रुति लेख 5.पुनरावृत्ति	02 05 08	
6	दिसम्बर	25	31	दूर्वा भाग-03 1.केशव शंकर पिल्लै (व्यक्तित्व) 2. फर्श पर (कविता) 3.बूढ़ी अम्मा की बात (लोककथा) व्याकरण:- 1.सर्वनाम 2. विशेषण 3. क्रिया 4. काल 5. श्रुति लेख	04 03 04 04 04 04 04 04	द्वितीय आवधिक परीक्षा 20 अंक
7	जनवरी	23	28	दूर्वा भाग-03 1.वह सुबह कभी तो आएगी (निबंध) 2.आओ पत्रिका निकालें (अतिरिक्त पठन) व्याकरण:- 1. पुनरावृत्ति 2. अपठित गद्यांश 3. अपठित पद्यांश (अभ्यास कार्य)	05 05 06 06 06	
8	फरवरी	18	24	दूर्वा भाग-03 1.आह्वान (अतिरिक्त पठन के लिए) व्याकरण:- 1. पुनरावृत्ति 2. पूर्व पठित पाठ्यक्रम की पुनरावृत्ति	04 10 10	
9	मार्च	30 प्रतिशत प्रश्न अर्धवार्षिक पूर्व पाठ्यक्रम से वार्षिक परीक्षा में शामिल				वार्षिक परीक्षा 80 अंक

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VIII**SUBJECT: ENGLISH**

Month	Days	Periods	Weight age	Units & Topics to be covered Term-1	Subject Enrichment Activities/Projects/Assignment
April 2017	25	33	08	Honey Dew 1. The best Christmas present in the world. Poem1. The Art and the cricket. It so happened 1. How the camel got his hump. 2.Children at work Grammar & comprehension 1.Tense 2.Articles 3.Determiners 4. Informal letters.	a. Collections of Christmas cards. B.Discussion on war and peace. c. Poem Recitation. d.A project on child labour Assignment -1
July	26	34	10	Honey Dew 1.The Tsunami 2.Poem 2- Geography Lesson 3.Glimpses of the poet 4.Poem 3 Macavity the mystery cat It so happened. 3.The selfish giant 4.The treasure within Grammar & composition. 1.Voice, 2.Narration, 3.Idioms and phrases 4.Phrasal Nerbs.	a. Relevant videos on natural disaster b. Picture story based on historical events. c. Collecting information about leaders of freedom struggle. d. Collecting famous speech by Pandit Nehru. e. Interview of an architect. Assignment-2 Note Book submission. Periodic test-I
August	25	33	10	Honey Dew 4.Bepin Choudharys lapse of memory Poem 4. The last Bergain. It so happened. 5. Princess 6.The fight Grammar & Composition. a. Simple past & present perfect. b. Formal letter writing (Request Complaints enquiries, Application). C. Uses of has to/ have to/ had to d. Story writing.	a. Review in Tagore's famous poems. b. Collection of poems on children's way of thinking. c. Reading task. 1.Books by Ruskin Bond 2. Short stories by somer Set Mougham. Assignment-3

September	15	20	07	Honey Dew 5.The Summit within Poem. 5 The School Boy Grammar & composition. a. Writing Informal letter b.Story writing c. Simple present & present continuous d. Pronouns & Adjectives 10 Revision for half yearly exam.	Profile on mountaineers like Bechendra Pal, Santosh Yadav, and Edmund Hillary. B .Discussion on topics like feeling of a caged bird and a free bird School should be place for joyful living.
HALF-YEARLY EXAMINATION					
NOVEMBER	25	32	08 10	This is today fawn Poem 6. The duck and the kangaroo. 7.A visit to Cambridge It so happened. 7.The open window Grammar & composition. A Short writing tasks with verbal & visual inputs. B .Participles c. Modals	a. Prevention of cruelty to Animals. b. Project on Stephen Hawking or people with disabilities. Assignment-4
DECEMBER	26	33	10 11	Honey Dew Poem 7. when I set out for Lyonesse 8.A short Monsoon diary . It so happened 9.Jalebis Grammar & composition. a. Noun forms. b. Word formation. c. One word substitutes	a. Collect information and pictures of the local flora fauna for school notice board. b. Observe and note the changes in season/ daily max. & min. temperature/Sunrise/Sunset. Assignment-5 Note Book submission Periodic Test II
January	22	28	10 14	Honey Dew 9.The great stone face-I Poem 8. On the grass hopper and the cricket. It so happened 9.The comet-I Grammar & composition a.Subject verb agreement b. Verb forms c. Phrases & clauses d.Prefixes & suffixes.	a. Talk about the music in nature. b.Interview of Sh. Jayant Narlikar can be downloaded and screened for the student . Assignment-6
February	25	30	07 10	Honey Dew 10. The great stone face II It so happened. 10.The comet-II Grammar & Composition a. Prepositions, B .Connectors.	A.Book Review on Science Fiction Or adventure novels.
March – YEARLY EXAMINATION					

Note: For Term-II / Yearly-Examination Question-Paper consisting of 30% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITHI, NOIDA
SPLIT-UP SYLLABUS FOR THE ACDEMIC YEAR 2017-18

CLASS: VIII

SUBJECT: - MATHEMATICS

Month	No. Of Days	Periods Available	Weightage	Units / Sub Units To Be Covered	Acitivities / Assignments
APRIL/JUNE	25	25	08	RATIONAL NUMBERS: Properties of rational numbers, The role of 0 and 1, Negative of a number, Representation of a rational numbers on the number line. Rational numbers between two rational numbers. LINEAR EQUATIONS IN ONE VARIABLE: Introduction, solving equations which have linear equations expressions on one side and numbers on the other side some applications, solving equations having the variable on both side, some more applications , reducing equations to simpler form , equations reducible to linear form.	Assignment - 1 Activity -01 & 02
JULY	26	26	12	UNDERSTANDING QUADRILATERALS :- Polygons, Classification of Polygons, Diagonals, Convex and Concave polygons, Regular and irregular polygons, Angle sum property, Sum of the measures of the exterior angle of a polygon, Kinds of quadrilaterals, Trapezium, Kite and Parallelogram, Elements of a parallelogram, Angles of a parallelogram, Some special parallelograms, rhombus, square and Rectangle. COMPARING QUANTITIES:- Recalling ratios and percentages, Finding the increase or decrease percentage, Finding discount, Profit and loss, Sales tax/value added tax,. Compound interest, Deducing a formula for compound interest, Rate compounded Annually or half yearly, Application of compound interest formula.	Activity 3 & 4 PERIODIC WRITTEN TEST -01
			10		

AUGUST	27	27	10	<p>SQUARES AND SQUARE ROOTS: Squares, Properties of square numbers, Patterns, adding triangular numbers, Numbers between square numbers, Adding odd numbers, A sum of consecutive natural numbers, product of two consecutive even or odd natural numbers, some more patterns in square numbers, Finding the square of a number, other patterns in square, Pythagorean triplets, Square roots, Finding square roots by repeated subtraction, through prime factorization, by division method, Estimating square root.</p> <p>DATA HANDLING: Looking for information, Organizing data, data, Bars with a difference, Circle graph or Pie chart, Drawing pie charts, Chance and probability, getting a result, Equally likely outcomes, Linking chances to probability, Outcomes as events, chance and probability related to real life.</p> <p>PLAYING WITH NUMBERS:</p> <p>8 Numbers in general form, Reversing the digits- two digit number, three digit number. Forming three digit number with given three digits, Letters for digits, Tests of divisibility.</p> <p>5</p>	Assignment -02 Activity – 5 & 6
	24	24	08	<p>PRACTICAL GEOMETRY :- Constructing a Quadrilateral when,</p> <ol style="list-style-type: none"> 1. The length of four sides and diagonal are given. 2. Two diagonals and three sides are given 3. Two adjacent sides and three angles are given. 4. Three sides and two included angles are given. 5. Some special cases . <p>EXPONENTS AND POWERS :-</p> <p>07 Laws of exponents , Use of exponents to express small numbers in standard form ,Comparing very large numbers and very small numbers .</p>	Activity – 7
HALF YEARLY EXAM					
OCT/NOV	28	28	16	<p>ALGEBRAIC EXPRESSIONS AND IDENTITIES: Expressions, Number line and an expression, Terms, factors and coefficient, Monomials, binomials and polynomials, Like and unlike terms, Addition and subtraction of algebraic expressions, Multiplication of algebraic expressions, Multiplying (i) a monomial by a monomial, (ii) monomial by a binomial, (iii) monomial by a trinomial (iv) binomial by a binomial (v) binomial by a trinomial</p> <p>08</p> <p>INTRODUCTION TO GRAPHS: A bar graph, A pie graph, A histogram, A line graph, Linear graphs, location of a point, Co -ordinates, Some applications.</p>	Assignment -03 Activity – 8 & 9

DEC	26	26	06	CUBE AND CUBE ROOTS :- Cubes, patterns, Smallest multiple that is a perfect cube, Cube roots, cube roots through prime factorization method, Cube roots of a cube number. MENSURATION: Introduction, Area of trapezium, Area of a general quadrilateral, Area of special quadrilaterals, Area of a polygon, Solid shapes, Surface area of Cube, Cuboids and Cylinder Volume of Cube, Cuboids and Cylinder, Volume and capacity	Activity – 10 PERIODIC WRITTEN TEST -02
JANUARY	27	27	12	DIRECT AND INVERSE PROPORTIONS: Introduction, Direct proportion, Inverse Proportion FACTORISATION: Factors of natural numbers, Factors of algebraic expressions, Factorization by (i) method of common factors, (ii) regrouping terms (iii) using identities, Division of algebraic expressions, Division of (i) monomial by another monomial (ii) a polynomial by a monomial (iii) Polynomial by a polynomial. Finding errors.	Assignment -04 Activity – 11
FEBRUARY	24	24	06	VISUALISING SOLID SHAPES: Introduction, Views of 3-D shapes, Mapping space around us, Faces, edges and vertices, Euler's Formula. REVISION	Activity – 12
MARCH	10			REVISION YEARLY EXAM	

Some of the Suggested Lab Activities

- To fold a paper 8 times in any way. Unfold and locate various convex and concave polygon.
- To verify that the angle sum property of quadrilateral by paper cutting and pasting
- To verify that the sum of measures of the exterior angles of any polygon is 360° by paper cutting and pasting.
- To make the following shapes by papers folding and cutting (i) A kite (ii) A Rhombus.
- To verify that:
 - Diagonals of rectangle are of equal in length
 - Diagonals of a square are of equal in length.
 - Investigate the result for a rhombus and parallelogram using stretched threads.
- Do a survey of your class and collect the data from all student of your class who spent more than 2 hrs in watching TV. Represent the collected data in the form of **Histogram** by paper cutting and pasting.
- Write how much you spent during a day in the following heading.
 (i) School (ii) Home Work (iii) Play (iv) Shop (v) Others Represent the information. in a pie chart.
- To verify the following algebraic identities by paper cutting and pasting.
 $(a+b)^2 = a^2 + b^2 + 2ab$
- Draw front view, top view and side view of the various shapes made by unit cubes.
- Verification of a perfect square using Square paper (The sum of first n odd natural numbers is n^2)

- Factorization of quadratic equation using algebraic board
- To derive formula for total surface area of cuboids.
- To compare the surfaces areas of two unit cubes and the cuboids formed by joining this unit cubes.
- To make the cuboids and cubes of given dimension using unit cubes and to calculate volume of each.
- To explore the relation between a) length and perimeter b) length and areas of a squares of different dimension drawn on squared paper.
- To prepare number pattern of cubes.
- Games of numbers – divisibility test.
- Drawing the graph by collecting data of day to day life related activities.
- To find the Centroid of a triangle by paper folding
- To find the in centre of a triangle by paper folding.
- To make cubes and cuboids of given dimensions using unit cubes and to Calculate volume of each; (1) $4 \times 3 \times 2$ (2) $3 \times 3 \times 3$

Note: For Term-II / Yearly-Examination Question-Paper consisting of 30% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI: NEW DELHI
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: VIII**SUBJECT: SCIENCE**

MONTH	NO. OF DAYS	PERIODS AVAILABLE	WEIGHTAGE	UNIT/SUB UNITS AND TOPICS TO BE COVERED	PRACTICALS/ACTIVITIES/PROJECTS/ ASSESSMENT/EXAMINATIONS
				Term – 1	
APRIL	25	12	10	1) Crop production and management 1.1) Agricultural activist 1.2) Basic practices 1.3) Preparation of soil 1.4) Sowing 1.5) Adding manures & fertilizers 1.6) Irrigation 1.7) Protecting from weeds 1.8) Harvesting 1.9) Storage Food from animals	Activities – 1.1, 1.2, 1.3 & Extended learning Activities/Projects given at the end of the chapter
		13	10	2) Micro organisms: Friend & Foe 2.1) Microorganisms 2.2) When do microbes live 2.3) Microorganisms and us 2.4) Harmful microbes 2.5) Food preservation 2.6) Nitrogen fixation 2.7) Nitrogen cycle	Activities – 2.1, 2.2, 2.3, 2.4, 2.5 & Extended learning Activities/Projects given at the end of the chapter Notebooks submission 1 Subject enrichment activity 1 Homework for summer break
JULY	26	10	8	11) Force & Pressure .1) Force – A push or pull .2) Forces are due to interaction .3) Exploring forces .4) A force can change state of a motion .5) A force can change shape of an object .6) Contact forces .7) Non-contact forces .8) Pressures .9) Pressures exerted by liquids .10) Atmospheric pressure	Activities – 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9, 11.10, 11.11 & Extended learning Activities/Projects given at the end of the chapter
		12	8	7) Conservation of plants and animals .1) Deforestation cause .2) Consequences .3) Conservation of forests and wildlife .4) Biosphere reserve .5) Flora & fauna	Activities – 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7 & Extended learning Activities/Projects given at the end of

				.6) Endemic species .7) Wildlife sanctuary .8) National parks .9) Red data book .10) Migration .11) Recycling of paper .12) Reforestation	the chapter PERIODICAL WRITTEN PERIODIC TEST-1
AUGUST	27	11	8	3) Synthetic fibres and plastics .1) What are synthetic fibres .2) Types of synthetic fibres .3) Characteristics of synthetic fibres .4) Thermoplastics and thermosetting plastic .5) Plastics as materials of choice .6) Plastics and the environment	Activities – 3.1, 3.2 & Extended learning Activities/Projects given at the end of the chapter
		8	8	12) Friction .1) Force of friction .2) Factors affecting friction .3) Friction a necessary evil .4) Increasing & reducing friction .5) Wheels reduce friction .6) Fluid friction	Activities – 12.1, 12.2, 12.3, 12.4 & Extended learning Activities/Projects given at the end of the chapter
		8	10	13.SOUND. 1.Sound is produced from vibrating body 2.Sound produced by humans 3.Sound needs medium 4.We hear sounds through ears 5.Amplitude ,time period and frequency 6.Audible and inaudible sounds 7.Noise and music	13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 13.10 and extended learning activity given at the end of the chapter
SEPTEMBER	24	8	10	4) Materials: Metals & Non-metals .1) Physical properties of metals & nonmetals .2) Chemical properties of metals and nonmetals .3) Uses of metals and nonmetals	Activities – 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8 & Extended learning Activities/Projects given at the end of the chapter
		10	8	5) Coal & Petroleum .1) Coal .2) Petroleum .3) Natural gas .4) Some natural resources	Activities – 5.1, 5.2, 5.3, 5.4 & Extended learning Activities/Projects given at the end of the chapter
HALF YEARLY EXAMINATION FOR 80 MARKS					
TERM – 2					
OCT/ NOV		7	10	8) Cell structure and functions .1) Discovery of cell .2) The cell .3) Variety of cells .4) Cell structure & function .5) Parts of the cell .6) Comparison of plant and animal cells	Activities – 8.1, 8.2, 8.3 & Extended learning Activities/Projects given at the end of the chapter

	28	10	10	14) Chemical effects of electric current .1)Do liquids conduct electricity .2)chemical effects of electric current .3 electroplating	Activitles 14.1 14.2 14.3 14.4 14.5 14.6 14.7 &extended Learning activities &projects given at the end of the chapter
		7	10	6.1.combustion 6.2.how to control fire 6.3.types of combustion 6.4.structure of flame 6.5.what is fuel 6.6.fuel efficiency	Activitles 6.1 6.2 6.3 6.4 6.5 and extended learning activities
DECEMBER	26	8	10	9.REPRODUCTION 9.1.modes of reproduction 9.2.sexual reproduction 9.3.asexual reproduction	Activities 9.1 9.2 9.3 and extended learning activities
		11	10	15.SOME NATURAL PHENOMENON 1.lightning 2.charging by rubbing 3.types of charges 4.transfer of charge 5.story of lightning 6.lightning safety 7.earthquake	Activities 15.1 15.2 15.3 15.4 15.5 15.6 and extended learning activities Periodic written test 2 Pwt 2 for50 mark reduced to 10,notebook submission for 5 marks ,subject enrichment activity for 5 marks PERIODIC TEST-2

JANUARY	27	10	10	10.reaching the age of adolescents 10.1.adolescence and puberty 10.2.changes at puberty 10.3.secondry sexual character 10.4.role of hormones 10.5.reproductive phase of life 10.6.sex determination 10.7.hormones other than sex hormones 10.8 role of hormones in life history of insects 10.9.reproductive health	ACTIVITIES 10.1 10.2 10.3 10.4 10.5 10.6 and extended learning activities given at the end of chapter
		10	10	16 light 16.1 .what makes things visible 16.2.laws of reflection 16.3.types of reflection 16.4.sunlight white or coloured 16.5.structure of human eye 16.6.care of eyes 16.7.braille system for visually challenged person	Activities 16.1 16.2 16.3 16.4 16.5 16.6 16.7 16.8 16.9 16.10 Extended learning activities given at the end of the chapter
FEBRUARY	24	10	6	17 STARS AND SOLAR SYSTEM 17.1. moon 17.2 star 17.3 constellation 17.4.solar system 17.5.some other member of solar system 17.6.sattelites	Activities 17.1 17.2 17.3 17.4 17.5 17.6 17.7 17.8 and extended learning activities

		10	6	18 pollution of air and water 18.1 .how does air get polluted 18.2.case study of taj mahal 18.3.green house effect 18.4.waterpollution 18.5.how does water get polluted 18.6.what is potable water 18.7 how is water purified	Activity 18.2 18.3 18.4 18.5 18.6 18.7 18.8 and extended learning activities NBS 2 and SEA 2
MARCH				REVISION Pen paper test Quiz Card test Slip test Oral test	YEARLY EXAM

Note: For Term-II / Yearly-Examination Question-Paper consisting of 30% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI: NEW DELHI
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: VIII

SUBJECT: SOCIAL SCIENCE

S.No.	MONTH	NO.OFDAYS	PERIODS AVAILABLE	UNITS /SUB UNITS TO BE COVERED	PERIODS REQUIRED	PA/HALF YEARLY/ YEARLY EXAM
	APRIL June	24	22	How, When & Where From Trade to Territory Resources The Indian Constitution	6 6 5 5	
02	July	27	24	Ruling the countryside Tribals, Dikus and Vision of a Golden Age Land, Soil, Water ,NaturalVegetation and Wildlife resources Understanding Secularism	6 7 7 4	Periodic Assessment-1
03	August	25	22	When People Rebel Colonialism and the City Minerals and Power resources Why do we need a Parliament	5 5 4 4	
04	September	24	20	Understanding Laws Agriculture	8 7	
Half Yearly Examination (80 marks)						
05	Oct / Nov.	29	24	<ul style="list-style-type: none"> Weavers, iron smelters and factory owners Civilizing the native, Educating the Nation Women ,Caste and Reforms Industries Judiciary 	5 7 7 6 4	
06	December	25	22	The Changing world of Visual Arts Industries-continue Understanding Our Criminal Justice System Understanding Marginalization	7 4 6	Periodic Assessment-2
07	January	23	20	The Making of the National Movements 1870s-1947 Human Resources Confronting Marginalization Public facilities	6 6 4 4	
08	February	13	10	India After Independence Law and Social Justice	6 4	
09	March			YEARLY EXAMINATION Note: - Disaster Management through Periodic test (Subject enrichment).		

Note: For Term-II / Yearly-Examination Question-Paper consisting of 30% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI: NOIDA

SPILT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VIII

SUBJECT: COMPUTERS

S. No.	Month	No. of days	Units/Sub units to be covered	Periods Required	Periodic Test/Half Yearly	Activity
1.	April / June	24	INTRODUCTION TO COMPUTER LANGUAGE. a) Program. b) Programming languages. c) Compiler. d) Interpreter. e) Examples of programming languages. f) Evolutions of programming languages.	08		Student will learn programming language
2.	July	24	MORE ABOUT PROGRAMMING LANGUAGE. a) Programming statement. b) Steps involve in a program c) Introduction to BASIC. d) Numeric and alphanumeric variables.	08	Periodic Test - I	Student will learn Programming step by step
3.	August	26	INTRODUCTION TO EXCEL-2 <ul style="list-style-type: none"> Working with sheets. a) Creating /deleting sheets. b) Renaming sheets. c) Copying/moving sheets. Inserting new row and column. Deleting /hiding the rows and columns. Changing the width and height of the column and row. Find and select the data in a given range. 	08		Show Formulas. Widen Columns or Rows: AutoFit Selection. Inserting a Formula....
4.	September	24	VIEW MENU a) Gridlines. b) Freeze panes. c) View side by side d) Synchronous scrolling e) Merging the cells. f) Split the cells. Formulas in excel	08	Half Yearly	Practically showing the use of excel
5.	Oct./Nov.	31	WORKING WITH CHARTS a) Create a chart. b) Edit a chart. c) Print a chart. d) Create a chart for a mathematical equation.	08		To Insert a Chart or Graph....
6.	December	25	Advance features of excel. Smart tags in excel. Importing data into excel.	08	Periodic Test - II	Uses of smart tags in excel sheet.

7.	January	21	INTRODUCTION TO HTML Uses of html. Html tags. Head, title, body, empty and container tags. Heading (H1 to H6). , <hr>, <comment> Background colour, font tag, bold tag, italic tag. Text alignment tags. Paragraph tags.	08		Briefly explain the concept of html. Developing the web page on internet.
8.	February	13	LIST TAGS a) Order list b) UN order list. c) Definition list. d) Background image e) Inserting image tag. f) Anchor tag. g) Hyperlink.	08		
9.	March	Yearly Exam				

Note: For Term-II / Yearly-Examination Question-Paper consisting of 30% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI: NOIDA SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18			
CLASS: VIII		SUBJECT: ART	
Month/SI.no	Name of Lesson	Medium	Periods
April/June	THEORY: Studies of traditional Paintings and Sculpture of different Indian States: Eg:Kerala Mural , Madhubani, Thanchavool etc.	colour/ink	8
July	STILL LIFE STUDIES: Introduction of Light and Shade.	Pencil/ Water colour	2
PWT-1	Draw and Practice the various objects arranged with Light and shade)		6
August	STUDIES OF HUMAN BODIES: Introduction about proportion of human body. Draw and practice human body with correct proportion different angle	Pencil / Ink	2 6
September	CALLYGRAPHY: Free hand cursive writing using various nibs, study of lettering in Roman and Gothic Styles.	Pencil/ colour	8
HALF-YEARLY EXAMINATION			
Nov	PAPER COLLAGE: Paper collage by tearing and pasting by different coloured paper from magazine newspaper to depict a picture.	coloured paper	8
December	Memory Drawing - Different human actions, expressions, natures ect, should be depicted clearly forms memory.	Pencil / Colour	8
PWT-2			
January	Design – introduction of design, practice of symmetrical free hand & ornamental design etc.	Ink / colour	8
February	USE OF CREATIVE FORMS AND COLOURS IN COMPOSITION – Introduction aesthetics of creative paintings and use of symbolic representation of colours in composition.	Ink / colour	8
MARCH – YEARLY EXAMINATION			

Note: For Term-II / Yearly-Examination Question-Paper consisting of 30% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI: NOIDA

SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: VIII

SUBJECT: MUSIC

April/june-	Alankaras and Geetham/Bhajan
	Theory:-Melody and Harmony
	Song- "Akash Ganga"-Gujarathi
	Theory:- Saptak, Aalaap
	Simple phrases in Raga-Kalyani/Hamsadwani/Kafi
PWT-1	
July-	Theory:- Life history of Shri Thyagraja, Shyamashastry, Deekshithar, Tansen
	One Regional language song
	Song:- "Vaishnav Janato"
	Geetham in Mohana Raga
	Introduction:- Aaroha, Abroha, Pakar
August-	Theory:- Life history of Purandara Dasar/Shri Bishnu Narayan Bhatkhande ji
	Song:- Odi Vilayadu- Tamil
	Song:- Tu hi Ram hai-Hindi
September-	Theory:- Swaras- A comparative study of Indian and Western music
	Taal:- Introduction- Kaharva
	Song in Hindi language
	One Regional language song
	Geetham in Kalyani Raga
HALF-YEARLY EXAMINATION	
October-	Theory:- Taalas- A comparative study of Indian and Western music
	Song:- "Asi Desh di" Punjabi
	Ten Thatas of Hindustani music system and their symbols
	Bandish of Raag "Yaman"
November-	Revision of previous lessons
	Song:- "Ekla Chalo" Bengali
	Bhajan- Hindi
	Theory:- Making of any Indian Percussion Instruments-
	Mridangam/Tabla/Dholak/Chenda
	Folk song- Local language
	Singing simple phrases in Raga-
	Vilawal/Madhyamavathi/Kharharapriya
December-	Theory:- Making of any Indian Wind Instruments-
	Flute, Nadaswaram, Harmonium.
	Song:- Vijayi viswa Tiranga

	Song:- Janmakarini- Malayalam
	Singing simple phrases in Raga Hindola/ Abhogi/Bhairav
PWT-2	
January-	Theory: - Introduction of Electronic music Instruments using
	in contemporary music
	Bangla Bhajan- "Antaro mamo vikasitokaro"
	Song- "Ye Desho" Marathi
February-	Theory:- Making of any Indian Stringed Instruments eg:
	Tanpura/Veena/Sitar
	Simple Keerthana
March-	Evaluation –YEARLY EXAMINATION

Note: For Term-II / Yearly-Examination Question-Paper consisting of 30% of 1st term covering significant topics + entire syllabus of 2nd term.

NAVODAYA VIDYALAYA SAMITI: NOIDA
SPLIT OF SYLLABUS FOR THE ACADEMIC SESSION 2017-18

CLASS: VIII

SUBJECT: PHYSICAL EDUCATION

Month	Physical Education		Physical & Health Education- Theory
	Morning	Evening	
April/June	Jogging and warming up. Free hand exercises for coordination. Battery test (to analyze their ability) Yogasana: Suryanamaskara, Vruksasana, Paadahasthasana.	Selecting students to Appropriate games and sports based on battery test analysis. Cricket Basket ball Athletics: Basic skills of Jumps Throws and Track events	Sense organs-their structure and function. Meaning of motor qualities.
July PWT-1	Jogging and warming up. Free hand exercises for coordination. Yogasana: suryanamaskara, Naukasana, Bhujangasana	Athletics: Different skills practice for jumps, throws and track events. Improved skills practice in the taken games	Body cells and its importance. Measurements of cricket pitch and basket ball court.
August	Jogging and warming up. General warming up an coordination exercises. March past practice. Yogasana: Suryanamaskara, Gomukhasana, Matsyaasana Pranayam – sheetli Pranayam ,Kapalbhati Pranayam	Practice of basic skills of cricket(bowling)&basket ball. Jumps and throws and related exercises.	Communicable diseases. Rules and regulations of cricket and Basket ball.
September	General conditioning exercises. Group activities for coordination (aerobics). Yogasana: Suryanamaskara, Yogamudrasana, and Paschimotthanasana.	Volley ball & throw ball basics. Lead up activities for speed development in athletics. Practice of skills and Techniques of the taken game. athletics, hurdling Exercises	Pollution-types & effects. Rules of volley ball & throw ball
HALF-YEARLY EXAMINATION			
October/ November	General Fitness exercises, Mobility exercises. Yoga- Suryanamaskar, Makarasana & Pavanamukthasana.	Improvised skills of volley ball and throw ball. Athletics: Strength related activities for throws and jumps.	Qualities of healthy mind. Measurements of Volley ball & throw ball courts. Duties and responsibility of officials.
December	Coordination movements Gymnastics: hand stand and rolls. Yogasana: Suryanamaskara, and previous asanas.	Coordination movements Gymnastics: hand stand and rolls. Yogasana: Suryanamaskara, and previous asanas.	Mannerism, Strategies of volley ball & throw balls.
January	General Fitness exercises and practice of previous activities. Practice of different	Practice/friendly matches. Athletics: Improvised techniques for start and finish.	Body types(athletic, picnic & dyplastic) Leadership qualities.

	formations in hoops. Yogasana: Suryanamaskara, and previous Asanas March Past Practice, dumbbells, Lazium and wands exercises		
February/ March	General conditioning exercise Various coordination exercises. Pyramid practice Yogasana: practice of Suryanamaskar and previous asanas. Pranayam-Ujjai Pranayama, Kapalbhati Pranayama	Battery test and practice matches.	Emotional Balance. Team Management.
YEARLY EXAMINATION			

NOTE: Morning jogging and warming-up exercises and evening games to be conducted (except Sunday and holidays). Battery test to be conducted in the beginning and end of the year. Exercises should be given to develop motor quality of the child (speed, strength, endurance, coordination, and flexibility).

Suggestions: Inter House matches will be conducted as per the schedule of department of physical education of respective Vidyalayas. Trekking and hiking can be conducted once in a year. Allow the students to watch the live matches. Martial arts should be encouraged.

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नवोदय विद्यालय समिति, नोएडा
पाठ्यक्रम विभाजन (सत्र २०१७ - २०१८)

कक्षा: नवमीं

विषय: हिन्दी (कोर्स-ए)

कोड संख्या-००२

क्रमांक	माह	पाठ्यक्रम विवरण	कालांश	संपूर्ण पाठ्यक्रम का प्रतिशत	संबंधित परीक्षा
०१.	अप्रैल/ जून २०१७	<ul style="list-style-type: none"> ❖ दो बैलों की कथा (कहानी) ❖ ल्हासा की ओर (यात्रा-वृत्तांत) ❖ साखियाँ और सबद (पद्य) ❖ इस जल प्रलय में (कृतिका) ❖ पत्र - लेखन ❖ शब्द निर्माण - उपसर्ग, प्रत्यय (व्याकरण) ❖ अपठित गद्यांश 	४ ४ ४ ४ २ ४ २		आवधिक परीक्षा - १
०२.	जुलाई- २०१७	<ul style="list-style-type: none"> ❖ उपभोक्तावाद की संस्कृति - (निबंध) ❖ वाख - (पद्य) ❖ सवैये - (पद्य) ❖ मेरे संग की औरतें (कृतिका) ❖ अपठित पद्यांश ❖ निबंध - लेखन ❖ शब्द निर्माण - समास (व्याकरण) ❖ शब्दालंकार - अनुप्रास, यमक, श्लेष 	४ ४ ४ ४ १ १ १ २		
०३.	अगस्त- २०१७	<ul style="list-style-type: none"> ❖ साँवले सपनों की याद (गद्य) ❖ नाना साहब की पुत्री मैना को भस्म कर दिया गया (गद्य) ❖ कैदी और कोकिला - (पद्य) ❖ ग्राम्य श्री (पद्य) ❖ रीढ़ की हड्डी - (कृतिका) ❖ पठित गद्यांश एवं पद्यांश ❖ व्याकरण - अर्थालंकार - उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण 	४ ४ ३ ३ ४ २ ५		आवधिक परीक्षा - २
		❖ प्रेमचंद के फटे जूते (गद्य)			

०४.	सितम्बर-२०१७	<ul style="list-style-type: none">❖ चंद्रगहना से लौटती बेर (काव्य)❖ अर्थ की दृष्टि से वाक्य भेद❖ संवाद लेखन	४ ४ २ २		
०५.	अक्टूबर-२०१७	<ul style="list-style-type: none">❖ मेघ आए (पद्य)❖ व्याकरण - उपसर्ग, प्रत्यय, समास	४ २		आवधिक परीक्षा - ३
०६.	नवम्बर-२०१७	<ul style="list-style-type: none">❖ मेरे बचपन के दिन (गद्य)❖ यमराज की दिशा (पद्य)❖ माटी वाली - (कृतिका)❖ शब्दालंकार तथा अर्थालंकार❖ संवाद - लेखन❖ अर्थ की दृष्टि से वाक्य भेद	४ ४ ४ ७ २ २		
०७.	दिसम्बर-२०१७	<ul style="list-style-type: none">❖ एक कुत्ता और मैना (गद्य)❖ बच्चे काम पर जा रहे हैं (पद्य)❖ किस तरह आखिरकार मैं हिन्दी में आया (कृतिका)	४ ३ ४		
०८.	जनवरी-२०१८	पुनरावृत्ति			
०९.	फ़रवरी-२०१८	पुनरावृत्ति			
१०.	मार्च-२०१८	वार्षिक परीक्षा			
<p>पाठ्य-पुस्तकें – १. क्षितिज – भाग -१ एन.सी.ई.आर.टी. द्वारा प्रकाशित २. कृतिका - भाग -१ एन.सी.ई.आर.टी. द्वारा प्रकाशित ३. हिन्दी व्याकरण एवं रचना</p> <p>NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.</p>					

नवोदय विद्यालय समिति, नोएडा
पाठ्यक्रम विभाजन (सत्र २०१७ - २०१८)

कक्षा: नवमी

विषय: हिन्दी (कोर्स-बी)

कोड संख्या: ०८५

क्रमांक	माह	पाठ्यक्रम विवरण	कालांश	संपूर्ण पाठ्यक्रम का प्रतिशत	संबंधित परीक्षा
०१.	अप्रैल/ जून २०१७	<ul style="list-style-type: none"> ❖ धूल - रामविलास शर्मा (गद्य) ❖ दुःख का अधिकार- यशपाल (गद्य) ❖ पद - रैदास (पद्य) ❖ गिल्लू - महादेवी वर्मा (संचयन) ❖ पत्र - लेखन ❖ व्याकरण - वर्ण-विच्छेद , वर्तनी : ' र ' के विभिन्न रूप , अनुस्वार , अनुनासिक , नुक्ता ❖ अपठित गद्यांश 	४ ४ ४ ४ १ ५ २		आवधिक परीक्षा - १
०२.	जुलाई- २०१७	<ul style="list-style-type: none"> ❖ एवरेस्ट: मेरी शिखर यात्रा - बचेन्द्री पाल (गद्य) ❖ रहीम के दोहे - (पद्य) ❖ स्मृति - श्रीराम शर्मा (संचयन) ❖ अपठित पद्यांश ❖ पत्र - लेखन ❖ अनुच्छेद - लेखन ❖ व्याकरण - पाठों के संदर्भ में उपसर्ग - प्रत्यय से शब्द निर्माण 	४ ४ ४ १ १ २ ४		
०३.	अगस्त- २०१७	<ul style="list-style-type: none"> ❖ तुम कब जाओगे अतिथि - शरद जोशी (गद्य) ❖ वैज्ञानिक चेतना के वाहक: चन्द्रशेखर वेंकट रामन् - धीरंजन मालवे (गद्य) ❖ आदमीनामा - (पद्य) ❖ कल्लू कुम्हार की उनाकोटी - (संचयन) ❖ पत्र - लेखन ❖ अनुच्छेद लेखन ❖ पठित गद्यांश एवं पद्यांश ❖ व्याकरण - संधि, विराम चिह्नों का प्रयोग 	४ ४ ४ ४ २ २ ४		आवधिक परीक्षा - २
		❖ कीचड़ का काव्य - काका कालेलकर (गद्य)	४		

०४.	सितम्बर-२०१७	<ul style="list-style-type: none">❖ एक फूल की चाह - सियारामशरण गुप्त (काव्य)❖ मेरा छोटा-सा निजी पुस्तकालय - धर्मवीर भारती❖ चित्र वर्णन , संवाद लेखन , विज्ञापन निर्माण	४ ४ २		
०५.	अक्टूबर-२०१७	<ul style="list-style-type: none">❖ गीत-अगीत - रामधारी सिंह 'दिनकर' (पद्य)❖ व्याकरण - उपसर्ग एवं प्रत्यय	४ १		आवधिक परीक्षा - ३
०६.	नवम्बर-२०१७	<ul style="list-style-type: none">❖ धर्म की आड़ - गणेशशंकर विद्यार्थी (गद्य)❖ अग्नि पथ - हरिवंशराय 'बच्चन'(पद्य)❖ हामिद खाँ - (संचयन)❖ अपठित गद्यांश❖ पत्र - लेखन❖ चित्र वर्णन	४ ४ ४ ४ ४		
०७.	दिसम्बर-२०१७	<ul style="list-style-type: none">❖ शुक्र तारे के समान - स्वामी आनंद (गद्य)❖ नए इलाके में / खुशबू रचते हैं हाथ – अरुण कमल (पद्य)	४ ६		
०८.	जनवरी-२०१८	<ul style="list-style-type: none">❖ कारक, वर्ण विच्छेद , संधि❖ दिये जल उठे (संचयन)❖ अनुच्छेद लेखन❖ संवाद लेखन, विज्ञापन निर्माण❖ पुनरावृत्ति	६ ४ २ ४ ८		
०९.	फ़रवरी-२०१८	पुनरावृत्ति			
१०.	मार्च-२०१८	वार्षिक परीक्षा			

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI: NOIDA
SPLIT OF SYLLABUS FOR THE ACADEMIC SESSION 2017-18

CLASS: IX**SUBJECT: ENGLISH (LANG. AND LITERATURE, CODE-184)**

SECTION	MAIN CONTENTS	TOTAL WEIGHTAGE 80
A	READING SKILLS	20
B	WRITING SKILLS WITH GRAMMAR	30
C	LITERATURE TEXTBOOK AND EXTENDED READING TEXT	30
	TOTAL	80

UNITS TO BE COVERED

MONTH	PERIODS	English Reader- Beehive	Supplementary Reader- Moments	Reading Text- A. Three Men In A Boat B. Gulliver's Travels	Reading, Writing And Grammar
April / June	26	a. The Fun They Had b. The Road Not Taken (Poem)	a. The Lost Child b. The Adventures of Toto	A.CHAPTERS 1,2&3 B.PART-1	A. Unseen passages for comprehension- Poetry, factual, literary, discursive B. Tenses C. Modals
July	26	a. The Sound of Music b. Wind (Poem) c. Rain on the Roof (Poem) d. The Little Girl	a. Iswaran 'The Story Teller'	A.CHAPTER S 4,5&6 B.PART-1	Letter Writing- A. Informal-personal, such as to family and friends B. Formal- letters to the principal of a school or to the editor of a News paper or a magazine C. Email-formal and informal
Periodic Test – 1					
August	30	a. A Truly Beautiful Mind b. The Lake Isle of Innisfree (Poem) c. The Snake and the Mirror	a. In the Kingdom of Fools. b. The Happy Prince	A.CHAPTERS 7,8&9 B.PART-2	A. Article, Speech or Debate based on visual Or verbal input. B. Passive Voice C. Subject- verb concord
September	20	a. A Legend of the Northland b. My Childhood		A.CHAPTERS 10 B.-PART-2	A. Report for a school magazine B. Story Writing C. Reported Speech- Commands, Requests, Statements, Questions
Periodic Test – 2					

October/ November	31	a. Packing b. No Men are Foreign c. The Duck and the Kangaroo (Poem)	a. Weathering the Storm in Ersama b. The Last Leaf	A. Chapters 11,12&13 B.-PART-3	A. Story Writing B. Clause: Noun Clauses, Adverb Clauses of condition and time, Relative clauses C. Determiners D. Prepositions E. Integrated Grammar Practice-Sentence Reordering, Editing/Omission, Gap Filling, Sentence Completion, Sentence formation
December	25	a. Reach for the Top b. On Killing a Tree (Poem)	a. A House is not a Home	A. Chapters 14, 15 &16 B. PART-3	A . Articles B. Reports C. Unseen passages for comprehension- Poetry, factual, literary, discursive
Periodic Test – 3					
January	24	a. The Bond of Love b. The snake Trying (Poem) A Slumber Did My Spirit Seal(Poem) c. Kathmandu	a. The Accidental Tourist	A. Chapters 17,18 B. PART-4	A.. Integrated Grammar Practice B. Writing a Diary
February	23	a. If I were You	a. The Beggar	A. Chapter -19 B.PART 4	A. Letter Writing-Formal Informal &Email. B. Integrated Grammar Exercise
March	25	REVISION AND YEARLY EXAMINATION			

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: IX**SUBJECT: MATHEMATICS****COURSE STRUCTURE CLASS IX**

UNITS	UNIT NAME	MARKS
I	NUMBER SYSTEMS	08
II	ALGEBRA	17
III	COORDINATE GEOMETRY	04
IV	GEOMETRY	28
V	MENSURATION	13
VI	STATISTICS AND PROBABILITY	10
	TOTAL	80

Month	Periods	Units/Sub Units To Be Covered	Lab activities
April/ June	18.	<u>NUMBER SYSTEM:</u> Real numbers:- 1. Review of representation of natural numbers, integers, rational numbers on the number line. Representation of terminating / non-terminating recurring decimals, on the number line through successive magnification. Rational Nos. as recurring / terminating decimals. Operations on real numbers 2. Examples of non recurring / non terminating decimals. Existence of non rational numbers (irrational numbers) such as $\sqrt{2}$, $\sqrt{3}$ and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely every point on the number line represents a unique real number. 3. Definition of n^{th} root of a real number. 4. Existence of non rational numbers (irrational numbers). Existence of for a given positive real number x (visual proof to be emphasized). 5. Rationalization (with precise meaning) of real numbers of the type (and their combinations) $1/(a+b\sqrt{x})$ & $1/(\sqrt{x} + \sqrt{y})$, where x and y are natural numbers and a and b are integers. 6. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws)..	*To represent irrational numbers on the number line. *To construct the square root spiral.
	06.	<u>GEOMETRY:-</u> Introduction To Euclid's Geometry:- History-Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous mathematics with definitions, axioms/postulates and	

JULY	<p>common/obvious notions, theorems. The five postulates of Euclid. Equivalent versions of the fifth postulate. Showing the Relationship between axioms and theorems, for example:- (Axiom) 1. Given two distinct points, there exists one and only one line through them. (Theorem) 2. (Prove) Two distinct lines have more than one point in common.</p> <p>04. <u>MENSURATION:-</u> Area of triangle using Hero's formula (without proof) and its application in finding the area of a quadrilateral.</p> <p>23. <u>ALGEBRA:-</u> Polynomials:- Definition of polynomial in one variable, its coefficient, terms, zero of polynomial, degree of a polynomial, constant, linear, quadratic, and cubic polynomials, Monomial, binomials, trinomials. Factors & Multiples. Zeros of a polynomial/roots of equations. State and motivate Remainder Theorem with examples. Statement and proof of Factor theorem. Factorization of $ax^2+bx+c = 0$, $a \neq 0$ where a, b, c are real numbers and factorization of cubic polynomial using factor theorem. Recall of algebraic identities & their use in factorization. Further verification of identities of the types $(x+y+z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$ $(x+y)^3 = x^3 + y^3 + 3xy(x+y),$ $(x-y)^3 = x^3 - y^3 - 3xy(x-y)$ $x^3 + y^3 + z^3 - 3xyz = (x+y+z)(x^2 + y^2 + z^2 - xy - yz - zx).$ Simple expression reducible to these polynomials</p>	<p>To verify algebraic identity- $(x+y)^3 = x^3 + y^3 + 3xy(x+y),$ $(x-y)^3 = x^3 - y^3 - 3xy(x-y)$ $(a+b)^2 = a^2 + b^2 + 2ab$ $(a-b)^2 = a^2 - b^2 - 2ab$</p> <p>Periodic written test I</p>
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August	14.	<p>ALGEBRA:- Linear equation in two variables:- Linear equations:- Review of linear equations in one variable. Introduction to the equations in two variables. Focus on linear equation of type $ax+by+c=0$. Prove that linear equations in two variables has infinitely many solutions and justify their beings written as ordered pairs of real numbers, plotting them and showing that they seem to lie on a line.</p> <p>13. Examples, problems from real life including problems on ratio and proportion and with algebraic and graphical solutions being done simultaneously.</p> <p>GEOMETRY:- Lines And Angles:- 1. (Motive) If a ray stands on a line, then the sum of two adjacent angles is 180° & the converse. 2. (prove) If two lines intersect, vertically opposite angles are equal. 3. (motivate) Corresponding angles, alternate interior angles, are equal, when two parallel lines are intersected by a transversal. 4. (motivate) Two or more parallel to the same line are parallel. 5. (prove) Angle sum property of a triangle. 6.(motivate) Exterior angle property of a triangle.</p>	<p>angle sum property of quadrilaterals</p> <p>Interior angles of a triangle</p>
September / October	13.	<p>STATISTIC AND PROBABILITY</p> <p>i)Statistics: Statistics introduction, collection, presentation-tabular form, ungrouped/grouped, bar graph, histogram, frequency polygon. Qualitative analysis of data to choose the correct form of presentation for the collected data. Mean, median, mode of ungrouped data.</p> <p>09. ii)Probability: Probability: History, introduction, probability repeated xperiments and observed frequency approach to probability .Focus is on empirical probability. (A large amount of time to be given to group activities and individual activities to motivate the concept. Experiment to be drawn from real life situations & from examples used in topic on statistics-revision</p>	Periodic written test II

November	<p>20. GEOMETRY:- Triangles:- 1. SAS congruence 2. ASA congruence 3. SSS congruence 4. RHS congruence 5. Angles opposite to equal sides of triangle are equal. 6. Sides opposite to equal angles of triangle are equal. 7. Triangle inequalities and relation between angle and facing sides inequalities in triangle.</p> <p>06. CO ORDINATE GEOMETRY: The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations , plotting points in the plane.</p>	<p>To verify that the sum of the angles of a triangle is 180°</p> <p>To obtain the mirror image of a given geo. Figure w.r.t. x axis and y axis.</p>
December	<p>10. GEOMETRY:- Quadrilaterals:- 1.(prove)Diagonal divides parallelogram in to two congruent triangles. 2.(motivate)Opposite sides of a parallelogram are equal and its converse. 3.(motivate)Opposite angles of a parallelogram are equal and its converse. 4.(motivate)Quadrilateral with one pair of equal & parallel opposite sides is parallelogram. 5.(motivate)In a parallelogram the diagonals bisect each other and conversely. 6.(motivate)Mid-point theorem of triangle & its converse.</p> <p>07. Areas of Parallelograms and Triangles: Review of concepts of area, area of rectangle. 1.(prove)Parallelograms on the same base & between same parallels are equal in area. 2.(motivate)Triangles on the same base(or equal base) and between same parallel lines are equal in area.</p> <p>10. Constructions: 1.Bisectors of line segments, construction of angles 60°, 90°, 45°, etc. 2.Construction of equilateral triangles. 3.Construction of triangle given its base, sum/difference of the other two sides and one base angle. 4.Construction of triangle of given perimeter and base angles.</p>	<p>Periodic written test III</p> <p>To show that ligs on same base and between same parallels are equal in area</p>

January	<p>15. <u>GEOMETRY:-</u> Circles:- Definition, radius, circumference, diameter, chord, arc subtended angle. 1)(Prove)Equal chords of a circle subtends equal angle at the centre and its converse(motivate) 2)(motivate)The perpendicular from the centre to the chord bisect the chord and converse. 3)(motivate)There is One and only one circle passing through three given non collinear points. 4)(motivate)Equal chords equidistant from centre and its converse 5)(Prove)The angle subtended by an arc at the centre is double the angle subtended by it at any point on the remaining part of the circle 6)(motivate)Angles in the same segment are equal 7)(motivate)If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle. 8)(motivate)The sum of the either pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.</p> <p>12. <u>MENSURATION:</u> Surface area and Volumes: Surface area and volume of cube, cuboids, sphere, hemisphere & right circular cylinders and cones.</p>	To verify that angles in the same segment of a circle are equal.
February March	<p style="text-align: center;">REVISION REVISION AND YEARLY EXAMINATION</p>	

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS-IX

SUBJECT: SCIENCE (086)

ANNUAL EXAMINATION

Unit No.	Unit	Marks
I	Matter- Its Nature and behaviour	23
II	Organisation in the living world	20
III	Motion, Force and Work	27
IV	Our Environment	06
V	Food ; Food Production	04
	Total	80
	Internal assessment	20
	Grand Total	100

Note: Weightage includes the weightage of question based on practical skill.

MONTH	NO. OF DAYS	PERIODS AVAILABLE	WEIGHTAGE	UNITS/SUB UNITS AND TOPICS TO BE COVERED	PRACTICALS/ ACTIVITIES	PERIODIC WRITTEN TEST
APRIL/JUNE	23 DAYS	12		Organisation in Living World Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, cell organelles and inclusions; chloroplast, mitochondria, vacuoles, endoplasmicreticulum, Golgiapparatus; Nucleus, chromosome- basic structure, number.	1. To prepare stained temporary mounts of (a) onion peel and (b) human cheek cells and to record observations and draw their labeled diagrams.	
		10		MATTER ITS NATURE AND BEHAVIOUR definition of matter-solid, liquid and gas. Characteristics-shape, volume, density.		
		11		Motion Force & Work Motion:-Distance and displacement, velocity; uniform and nonuniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion,		

JULY	20 DAYS	9		Tissues, Organs, Organ System, Organism Structure and functions of animal and plant tissues (only four types of tissues in animals; meristematic and permanent tissues in plants).	2.To identify parenchyma and sclerenchyma tissues in plants striated, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides and to draw their labeled diagrams.	PERIODIC WRITTEN TEST - I
		9		MATTER ITS NATURE AND BEHAVIOUR: Change of state-melting, freezing, evaporation, condensation, sublimation, cooling by evaporation.	Practical 1. To determine the melting point of ice and the boiling point of water.	
		9		Motion Force & Work: Derivation of Equations of motion by graphical method; elementary idea of uniform circular motion. Force and motion, Newton's laws of motion, inertia of a body, inertia and mass.		
AUGUST	26 DAYS	14		Organisation in the Living World Biological Diversity: Diversity of plants and animals - basic issues in scientific naming, basis of classification. Hierarchy of categories / groups, Major groups of plants (salient features) (Bacteria, Thallophyta, Bryophyta, Pteridophyta, gymnosperms and Angiosperms).	3.To study the characteristic of Spirogyra/Agaricus, Moss/Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and give two identifying features of groups they belong to. 4.To study the external features of root, stem, leaf and flower of monocot and dicot plants.	

SEPTEMBER	10 DAYS	10	<p>Matter Its Nature And Behaviour IS MATTER AROUND US PURE? Elements, compounds and mixtures. homogeneous/hetero generous Mixtures</p> <p>Practical.2: to separate the components of a mixture of sand common salt and ammonium chloride by sublimation.</p> <p>Practical.3: To prepare a mixture and a compound using iron filings and sulphur powder and distinguish these on the basis of appearance i.e., a) homogeneity/heterogeneity b) behavior towards a magnet c) behavior towards carbon di sulphide d) effect of heat.</p> <p>Practical. :4 To carry out the following reactions and classify them as physical and chemical changes: a) reaction between iron and copper sulphate solution. b) burning of magnesium ribbon in air. c) zinc with dil. H_2SO_4 d) Heating of $CuSO_4$. e) $Na_2SO_{4(aq)}$ and $BaCl_{2(aq)}$</p>		PERIODIC WRITTEN TEST- II
		12	<p>Motion Force & Work Momentum, force and acceleration. Elementary idea of conservation of momentum, action and reaction forces.</p>		
	5	5	<p>Organisation in the Living World</p> <p>Biological Diversity: Major groups of animals (salient features) (Non-chordates upto phyla and chordates upto classes).</p>	<p>Observing the given pictures/charts/models of earthworm, cockroach, bony fish and bird. For each organism, drawing of their picture and recording: a. One specific feature of its phylum. b. One adaptive feature with reference to its habitat.</p>	
		5	<p>Matter Its Nature And Behaviour Colloids and suspension</p>	<p>Practicals:5. To prepare a) true solutions of common salt, sugar and alum in water. b) colloids of starch in water and egg albumin/milk in water c) suspensions of chalk powder and fine sand in water and distinguish these on the basis of, transparency, filtration criteria and stability.</p>	

		7	<p>Gravitation: Gravitation; universal law of gravitation, force of gravitation of the earth (gravity), acceleration due to gravity; mass and weight; free fall.</p>		
OCTOBER/NOVEMBER	30 DAYS	13	<p>Organisation in the Living World Health and Diseases: Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and protozoans) and their prevention, Principles of treatment and prevention. Pulse polio programmes.</p>		
		12	<p>MATTER ITS NATURE AND BEHAVIOUR; ATOMS AND MOLECULES; Particle nature, basic units; atoms and molecules. Law of constant proportion. Atomic and molecular masses. Mole concept; relationship of mole to mass of the particles and number of particles. Valency, Chemical formulae of common compounds.</p>	6. Verification of the law of conservation of mass in a chemical reaction.	
		18	<p>Motion Force & Work Floatation: Thrust and pressure. Archimedes' principle, buoyancy, elementary idea of relative density. Work, energy and power: Work done by a force, energy, power. Motion Force & Work, Work, energy and power : kinetic and potential energy; law of conservation of energy.</p>	<p>PRACTICALS To determine the density of solid(denser than water) by using a spring balance and a measuring cylinder To establish the relation between the loss in weight of a solid when fully immersed in a. tap water b. strongly salty water, with the weight of water displaced by it by taking at least two different solids.</p>	
DECEMBER/JANUARY	30 DAYS	13	<p>Our Environment Physical resources: Air, Water, Soil. Air for respiration, for combustion, for moderating temperatures; movements of air and its role in bringing rains across India. Air, water and soil pollution (brief introduction). Holes in ozone layer and the probable damages. Bio-geo chemical cycles in nature : Water, oxygen, carbon and nitrogen</p>		PERIODIC WRITTEN TEST- III
		10	<p>Matter Its Nature And Behaviour STRUCTURE OF THE ATOM; electrons, protons and neutrons. Isotopes and isobars.</p>		

		13		Motion Force & Work Sound : Nature of sound and its propagation in various media, speed of sound Range of hearing in humans; ultrasound;.	1. To determine the velocity of a pulse propagated through a stretched string/slinky.	
FEBRUARY	13 DAYS	7		Food Plant and animal breeding and selection for quality improvement and management; use of fertilizers, manures; protection from pests and diseases; organic farming		
				Revision		
		5		Motion Force & Work reflection of sound; echo and SONAR Sound: Structure of the human ear (auditory aspect only).	.To verify laws of reflection of sound	
FEBRUARY/MARCH:				REVISION		
MARCH-YEARLY EXAMINATION						

General Instructions:

1. There will be an Annual examination based on entire syllabus
2. The annual examination will be of 80 marks and 20 marks weightage shall be for internal assessment.
3. Out of 80 marks annual examination, 68 marks weightage shall be for theory and 12 marks weightage shall be for practical based questions.
4. For internal assessment:
 - a. There will be three periodic tests conducted by the school. Average of the best two tests to be taken that will have a weightage of 10 marks towards the final result.
 - b. Practical / Laboratory work should be done throughout the year and the student should maintain record of the same. Practical Assessment should be continuous. There will be weightage of 5 marks towards the final result. All practicals listed in the syllabus must be completed.
 - c. Regularity, class work and home assignment completion along with neatness and upkeep of notebook will carry a weightage of 5 marks towards the final result.

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: IX**SUBJECT: SOCIAL SCIENCE****COURSE STRUCTURE**

UNITS	UNIT NAME	MARKS	PERIODS
I	India and the contemporary world – 1	20	60
II	Contemporary India -1	20	55
III	Democratic Politics – I	20	50
IV	Economics	20	50
	TOTAL	80	215

Month	Periods	Units	Sub Units	Periodic Test
April/ June	23/26	India and Contemporary World – I. Events and Processes.(All the three themes are compulsory) The French Revolution. (compulsory) (chapter – 1) Contemporary India India Land and People. India: Size and Location, Physical features of India (chapter – 1 & 2)	a) The Ancient Regime and its Crisis. b) The Social forces that lead to the revolution. c) The different revolutionary groups and ideas of the time. d) The Legacy. a) Size and Location a) , Relief, Structure, Major physiographic units	
JULY	26	What is Democracy and Why Democracy? (text book chapter – 1 & 2) Understanding Economic development The economic story of Palampur (chapter – 1)	a) Democracy in the contemporary world. b) What are the different ways of defining Democracy? Why has Democracy become the most prevalent form of Government in our times? c) What are the alternatives to Democracy? Is Democracy superior to its available alternatives? d) Must every Democracy have the same institutions and values? The Economic story of Palampur Economic transactions of Palampur and its interaction with the rest of the world through which the concept of production. (including 3 factors of production can be introduced) Land Labor and Capital	Periodic Test - 1

August	30	<p>Understanding Economic development People as a resource (chapter – 2)</p> <p>Constitutional Design. (chapter – 3) (Constitutional design)</p> <p>Drainage Contemporary India (chapter – 3)</p>	<p>Introduction of how people become resource /asset- economic activities done by men and women. Unpaid work done by women, quality of human resource, role of health and education, unemployment as a form of non –utilization of human resource, Socio political implications in simple form. How and why India did become a democracy? How was the Indian constitution framed? What are the salient features of the constitution? How is Democracy being constantly designed and redesigned in India? Major rivers and tributaries, Lakes and Seas, role of rivers in the economy, pollution of rivers, measures to control river pollution.</p>	
Sept.	24	<p>India and contemporary world - I Socialism in Europe and the Russian revolution (chapter – 2) Rise of Nazism and the Rise of Hitler. (chapter – 3) Map work-Theme one only. Unit -5 Disaster Management Every student has to compulsorily undertake one project on Disaster Management. Projects, activities and other exercises in Unit 5 should be encouraging students to place disasters and disaster management. 1. Introduction to disaster management. 2. Common Hazards- Prevention and mitigation.</p>	<p>Russian revolution a) The crisis of Tzarism. b) The nature of Social movement between 1905 – 1917. c) The first world war and foundation of Soviet state. d) The Legacy Rise of Nazism a) The growth of social democracy. b) the Crisis in Germany. c) the basis of Hitler's rise to power. d) The ideology of Nazism e) The impact of Nazism</p>	Periodic Test - 2
October/ November	32	<p>India and contemporary world - I Economics and Livelihood Any one theme of the following. IV) Forest society and colonialism. (chapter – 4) V) Pastoralists in the modern world.</p>	<p>Forest society and colonialism. a) Relationship between forests and livelihood. b) the changes in forests societies under colonialism. Case studies: focus on two forest movements one in colonial India (Bastar) and one in Indonesia. Pastoralists in the modern world</p>	

		<p>(chapter – 5)</p> <p>VI) Peasants and Farmers (chapter – 6) Map work based on 4/5/6 Chapters (Internal choice will be provided)</p>	<p>a) Pastoralism as a way of life b) different forms of pastoralism c) What happens to pastoralism under colonialism and modern states. Case studies: focus on two pastoral groups One from Africa and one from India.</p> <p>Peasants. And Farmers a) Histories of the emergence of different forms of farming and peasant societies. b) Changes within rural economies in the modern world. Case studies: Focus on contrasting forms of rural change and different forms of rural societies.(Expansion of large scale wheat and cotton farming in USA, rural economy and agriculture revolution in England and small peasant production in colonial India)</p>	
December	25	<p>Climate Contemporary India (chapter – 4) Natural Vegetation & Wild Life (chapter – 5) Electoral politics in democracy (chapter – 4) Poverty as a challenge facing India (understanding economic development) (chapter – 3)</p>	<p>Factors influencing the climate – monsoon – its characteristic, rainfall and temperature distribution, seasons climate and human life Vegetation types, distribution as well as altitudinal variation, need for conservation and various measures. Wild life: Major species, their distribution, need for conservation and various measures. Why and how do we elect representatives? Why do we have a system of competition among political parties? How has the citizen participate in electoral politics change? What are the ways to ensure free and fair elections? Who is poor, through two case studies one rural and one In urban. Indicators, absolute poverty, not as a concept but through few simple examples, why people are poor, unequal distribution of resources, comparison between countries, steps taken by the government for poverty alleviation.</p>	Periodic Test - 3
January	28	Contemporary India Population	Size, Distribution, Age – Sex composition, Population change – migration as	

		(chapter – 6) 7. Map work 3 mark Institutions of parliamentary democracy (working of institutions) (chapter – 5)	a determinant of population change, literacy, health, occupational structure and national population policy, Adolescents as underserved population group with special needs. How is the country governed? What does parliament do in our democracy? What is the role of President of India? The Prime Minister and council of Ministers how do these relate to one another?	
February	24	Understanding economic development (Food security in India) (chapter – 4) Note: Current status of PDS mentioned in NCERT class IX Economics to be deleted. (pg no. 49-51) Democratic politics Citizen rights in democracy (chapter – 6) Unit -5 Disaster management 3. Man made disasters- Nuclear, Biological and chemical. 4. Community based disaster management	Food security: Source of food grains Variety across the nation – famines in the past – the need for self sufficiency – role of government in food security – procurement of food grains – over flowing of granaries and people without food – PDS – role of cooperative in food security (food grains, milk and vegetables, ration shops and co-operative shops) Two three examples as case studies) Why do we need rights in a constitution? What are the fundamental rights enjoyed by the citizens under the Indian constitution? How does the judiciary protect the Fundamental rights of the citizens? How is the independence of judiciary ensured	
March-2018 YEARLY EXAMINATION				

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NAVODAYA VIDYALAYA SAMITI
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: IX**SUBJECT: COMPUTER**

S.No.	MONTH	NO. OF DAYS	UNITS/SUB- UNITS TO BE COVERED	PERIOD REQUIRED	PWT	ACTIVITY
01	April/June	24	CHAPTER-1 KNOW YOUR COMPUTER	08		Show all the parts of the computer
02	July	26	CHAPTER-2 COMPUTER OVERVIEW	08	PWT-1	Briefly Explaining About Particular Part
03	August	24	CHAPTER -3 Understanding Storage Devices	08		Showing The Importance Of Storage Devices
SEPTEMBER– PWT-2						
05	Oct/Nov.	31	CHAPTER -4 BINARY NUMBERS	08		
06	December	25	CHAPTER-5 Microsoft Access	08		Create a database to hold your Christmas list ideas, items and Categories that you need, as well as 2 relationships. PWT-3
07	January	21	CHAPTER-6 <ul style="list-style-type: none"> Communication Devices Introduction To Internet 	08		Show any 5 communicative devices
08	February	13	CHAPTER -7 <ul style="list-style-type: none"> Understanding Features of Internet. Computer Security 	08		What are the types of viruses
09	March	REVISION AND YEARLY EXAMINATION				

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NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: IX**SUBJECT: ART (VISUAL)**

MONTH	PERIODS AVAILABLE	TOPICS TO COVER	MEDIUM/MATERIALS
APRIL/JUNE	8	Brief History of Indian Art, Origin & Develop etc	Theory
JULY PWT-1	8	Applications of Applied Art in daily life such as design of book cover, poster, calendar, textile, Preparation of greeting cards, rangoli etc	Colour
AUGUST	8	Water colour, poster colour painting: Introduction to usage of opaque & transparent colours	colour
SEPTEMBER PWT-2	8	Study of Calligraphic strokes of Devnagari and Roman alphabes (scripts)	Pencil, colour
OCTOBER/ NOVEMBER	8	Three Dimensional works: Clay modelling & pottery, Carving & Sculpture	Clay, Plaster of Paris, Stone, Wood, Plastic Sheets, Paper etc
DECEMBER PWT-3	8	Introduction to modern techniques: Multimedia, Animation, Computer Graphics	Theory & practical
JANUARY	8	Study of natural and man-made forms, plants, animals, birds, human-figures, house hold items, buildings etc	Pencil
FEBRUARY	8	Collage and mosaic work with a variety of coloured papers and colourd printed pictures/photographs from magazines and newspapers etc. Portrait drawing	Paper Pencil/colour
MARCH – YEARLY EXAMINATION			

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NAVODAYA VIDYALAYA SAMITI- NOIDA

SPLITUP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: IX**SUBJECT: MUSIC**

APRIL/JUNE	Revision of Varnam and Keerthanas
	Theory: Indian Notation System
	Patriotic Song in other than Hindi Language.
	Simple Keerthana/Devotional Song
July PWT-1	Theory: Life history of Maharaja Swathi Thirunal
	One regional language song
	Song: 'Pillallara' Telugu
	Keerthana Continues
August	Theory: Life history of any Personality in Music(Regional)
	Group song in connection with Regional Festival
	Simple Keerthana
September PWT-2	Theory: Short note on Western Notation System
	Song in Hindi language
	Song 'MuhinjoVatan' Sindhi
	A Simple Thillana.
October	Theory: A Short note on Song writing.
	Song - 'Ek bag de' Panjabi
	Thillana continues
	Making Musical Expressions with available music instruments to different situations.
November	Revision of Previous lessons
	Song 'Dhana Dhanya' Bengali
	Theory: Making of any Bowes Indian Music Instrument – Sarangi/Violin etc.
	Song 'Ata Uduvu' Marathi
	Singing Simple phrases in different Ragas with different Talas.
December PWT-3	Theory: Short note on Production of Music
	Song : 'Cheluvina muddina' Kannada
	Singing Simple phrases in different Ragas with different Talas Continues.
	Making Musical Expressions with available music instruments to different situations continues.
January	Theory: Short note on Computer based Music Production.
	Patriotic Song in Hindi Language.
	Singing Simple phrases in different Ragas with different Talas Continues.
February	Revision of Previous Lessons
	One Folk Song
	Keerthana.
March	YEARLY EXAMINATION

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI- NOIDA
SPLITUP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: IX**SUBJECT: PHYSICAL EDUCATION**

- *Morning jogging and warming-up exercises and evening games to be conducted (except Sunday and Holidays).*
- Battery test to be conducted in the beginning and end of the year.
- Exercises should be given to develop motor quality of the child (speed, strength, endurance, coordination, and flexibility).

Month	Physical Education		Physical & Health Education-Theory
	Morning	Evening	
April/June	<ul style="list-style-type: none"> • Jogging and warming up. • Free hand exercises for coordination. • Battery test(to analyze their ability) • Yogasana: • Suryanamaskara, • Makarasana, • Shalabasana 	<ul style="list-style-type: none"> • Selecting students to appropriate games and sports based on battery test analysis. • Football • Hockey • Athletics: Triple jumpbasic skills 	UNIT-I: Introduction to Physical Education: Meaning and concept of physical education, aims and objectives of physical education (physical development, mental development, social development, emotional development, neuromuscular development), changing trends in physical education.
July PWT-1	☐☐General finess exercises ☐☐Agility moments for cordination. ☐☐Yogasana: Suryanamaskara, Mayurasana, Shalabasana	☐☐Practice of skills and techniques of the taken game. ☐☐Athletics; Hurdling exercises.	UNIT-II: Physical Fitness: Meaning and concept, Components of Physical Fitness(speed, Strength, Endurance, Flexibility, Coordinative Ability), Development of Physical Fitness through games and Sports
August	Jogging and warming up. General warming up and coordination exercises. March past practice. ☐☐Yogasana: Suryanamaskara, Kukutasana, Bakasana.	Practice of basic and skills of Football and Hockey. Athletics: Throwing event -Hammer Throw.	UNIT-III: Measurement of Growth: Measurement of Height & Weight, body mass index, body composition, formulas for 2 sites/3 sites, waist and hip ratio, UNIT-IV: First Aid Measures: Meaning and concept, Introduction to general sports injuries (Soft Tissue, Bone and Joint dislocation, PRICER and its effects.
Sept. PWT-2	General conditioning exercises. Group activities for coordination (aerobics).	Improvised skill practice and leadup games. athletics -	UNIT-V: Sociological Aspects of Physical Education: Meaning and Concepts of

	Yogasana: Suryanamaskara, Chakrasana Yogamudrasana	Speed events- Interval training	sports culture, society,
November	General Fitness exercises Mobility exercises. Rhythmic Activities- □□Lazium. □□Yoga- Suryanamaskar, Makarasana & Pavanamuktasana.	□□Badminton- Basic movements. Athletics: Long events-Speed endurance.	UNIT-V: Sociological Aspects of Physical Education: Role of family school, and society in sports socialization UNIT-VI: Physical Activity and Differently abled children: Physical Education Programmes for Physically challenged, Visually Impaired and Dumb and Deaf.
December PWT-3	Coordination movements Gymnastics : Parallel Bar exercises. Yogasana: suryanamaskara, and previous asanas.	Improvised skill of Badminton Athletics: Strength related exercises	UNIT-VII: Community Recreation: Meaning and concept of recreation, recreational activities for different age groups, recreational activities for family
January	General Fitness exercises and practice of previous activities. Practice of different formations in Indian Clubs. Yogasana: Suryanamaskara. Meditation.	Practice/ game situations. Athletics: Jumping and Bounding exercises.	UNIT-VIII: Sports and Human Resources: Role of Sports in creating fit citizens, fit citizen as an asset for the family, society and nation, fit citizen and productivity.
February/	□□General conditioning exercise Various coordination exercises. Pyramid practice Yogasana: practice of Suryanamaskar and Meditation.	Battery test and practice matches.	UNIT-IX: Adventure sports: Meaning and objective, Introduction to the concept of Camping and Tracking, To organize site, materials required and safety measures, practical
MARCH –YEARLY EXAMINATION			

Suggestions:

1. Inter House matches will be conducted as per the schedule of department of physical education of respective Vidyalyayas.
2. Trekking and hiking can be conducted once in a year.
3. Allow the students to watch the live matches.
4. Martial arts should be encouraged by the help of available resource persons.

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नवोदय विद्यालय समिति, नोएडा				
पाठ्यक्रम विभाजन (सत्र २०१७ - २०१८)				
कक्षा: दसवीं			विषय: हिन्दी (कोर्स-ए)	
माह	पाठ का नाम	क्रिया-कलाप / परियोजना कार्य	अंक भार	टिप्पणी
अप्रैल/जून 2017	1. नेताजी का च मा (निबंध) 2. सूरदास के पद (कविता) 3. माता का आँचल 4. बाल गोविन्द भगत (निबंध) 5. रचना के आधार पर वाक्य भेद	मध्यकाल के कवियों की कविताओं का संग्रह तैयार करें। माँ भीर्षक स्वरचित कविता लिखें	गद्य-15 पद्य-15 कृतिका-05 व्याकरण-15	
जुलाई २०१७	1. लखनवी अंदाज 2. राम-लक्ष्मण-पर गुराम संवाद (कविता) 3. सवैया / कवित्त (कविता) 4. जार्ज पंचम की नाक 5. वाच्य	देव की तरह अन्य कवियों के सवैया का एलबम तैयार करें।		आवधिक परीक्षा-1
अगस्त-२०१७	1. मानवीय करुणा की दिव्य चमक 2. एक कहानी यह भी 3. आत्म कथ्य (कविता) 4. उत्साह, अट नहीं रही है। (कविता) 5. साना-साना हाथ जोड़ि....	बाह्य प्रदर्शन पर वाद-विवाद प्रतियोगिता	गद्य-15 पद्य-15 कृतिका-05 व्याकरण-15	इकाई
सितम्बर-२०१७	1. स्त्री शिक्षा के विरोधी कुतर्कों का खंडन 2. यह दंतुरित मुस्कान, फसल (कविता) 3. एही ठैयां झुलनी हेरानी हो रामा 4. पत्र लेखन 5. रस	एन0सी0ई0आर0टी0 द्वारा नागार्जुन पर बनाई गई फिल्म		आवधिक परीक्षा-2
अक्टूबर-२०१७	1. नौबत खाने में इबादत 2. छाया मत छूना 3. मैं क्यों लिखता हूँ 4. अपठित गद्यांश	अपने मन पसंद संगीतकार के बारे में एक लेख तैयार कीजिए।	गद्य-15	

नवम्बर-२०१७	1.संस्कृति 2.संगतकार 3. पद परिचय 4.निबंध लेखन 5.सार लेखन	उन खोजों और आविष्कारों की सूची तैयार कीजिए जो आप की नजर में बहुत महत्वपूर्ण हैं। सार लेखन का अभ्यास करें	पद्य-15 कृतिका-05 व्याकरण-15	
दिसंबर-२०१७	1.कन्यादान 2. अपठित पद्यां T पुनरावृत्ति			आवधिक परीक्षा-3

कक्षा-10 विषय-हिन्दी (कोर्स-अ) . निधारित पुस्तकें

1. क्षितिज भाग दो : पाठ्य पुस्तक : एन सी ई आर टी द्वारा प्रकाशित
2. कृतिका : (पूरक पुस्तक) : एन सी ई आर टी द्वारा प्रकाशित
3. हिन्दी व्याकरण एवं रचना।

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

नवोदय विद्यालय समिति,नोएडा					
पाठ्यक्रम विभाजन 2017-18					
विषय-हिंदी (पाठ्यक्रम-ब)			कक्षा : 10		
प्रथम सत्र					
क्र.सं.	माह	पाठ का नाम	परियोजना कार्य/क्रिया-कलाप	अंक-भार	टिप्पणी
1.	अप्रैल/जून- 2017	स्पर्श-2 : गद्य खण्ड : 1. बड़े भाई साहब-प्रेमचंद,पद्य खण्ड : 1. साखी-कबीर, संचयन-2 : 1.हरिहर काका- मिथिलेश्वर, व्याकरण और रचनात्मक लेखन : शब्द, पद, पद और उसके भेद,	1. मध्यकाल के कवियों की कविताओं का संग्रह तैयार करें। 2. प्रेमचंद की अन्य पांच कहानियों का संग्रह करें व पढ़ें।	परियोजना कार्य-15, वार्तालाप-15, प्रदत्त कार्य-10, गृह/कक्षा कार्य-10	
2.	जुलाई-2017	स्पर्श-2 : गद्य खण्ड : 1. डायरी का एक पन्ना-सीताराम सेकसरिया, पद्य खण्ड : पद-मीराबाई, व्याकरण और रचनात्मक लेखन : रचना के आधार पर वाक्य रूपांतरण, समास	1. मीराबाई की तरह अन्य कवियों के पदों का एलबम तैयार करें। 2. समास के भेदों का चार्ट तैयार कीजिए।		आवधिक मूल्यांकन/ रचनात्मक परीक्षा-1
3.	अगस्त-2017	स्पर्श-2 : गद्य खण्ड : ततारा-वामीरो कथा- लीलाधर मंडलोई, पद्य खण्ड : 1. पर्वत प्रदेश में पावस-सुमित्रानंदन पंत, व्याकरण और रचनात्मक लेखन : पत्र लेखन, अनुच्छेद लेखन	1. प्रकृति चित्रण से संबंधित पांच कविताओं का संग्रह कीजिए। 2. अनुच्छेद लेखन का अभ्यास कीजिए।	परियोजना कार्य-15, वार्तालाप-15, प्रदत्त कार्य-10, गृह/कक्षा कार्य-10	आवधिक मूल्यांकन/रचनात्मक परीक्षा-2

4.	सितम्बर-2017	स्पर्श-2 : गद्य खण्ड : 1. तीसरी कसम के शिल्पकार शैलेन्द्र-प्रहलाद अग्रवाल, पद्य खण्ड : 1. तोप-वीरेन डंगवाल, व्याकरण और रचनात्मक लेखन : अपठित गद्यांश, अपठित काव्यांश, मुहावरे	1. वसु चटर्जी के निर्देशन में बनाई गई फिल्म 'तीसरी कसम' देखिए।		
5.	अक्टूबर- 2017	संकलित परीक्षा-1/अर्द्धवार्षिक परीक्षा की पूर्व तैयारी के लिए पठित पाठ्यक्रम की पुनरावृत्ति एवं परीक्षा,			
द्वितीय सत्र					
6.	नवम्बर-2017	स्पर्श-2 : गद्य खण्ड : अब कहां दूसरों के दुख से दुखी होने वाले-निदा फाजली, पद्य खण्ड :1. दोहे-बिहारी, व्याकरण और रचनात्मक लेखन : संवाद लेखन,	1. निदा फाजली की गजलों को खोजकर पोस्टर तैयार कीजिए। 2. बिहारी तथा अन्य कवियों के दोहों का एलबम तैयार कीजिए।		आवधिक मूल्यांकन/रचनात्मक परीक्षा-3
7.	दिसम्बर- 2017	स्पर्श-2 : गद्य खण्ड : 1. पतझर में टूटी पत्तियां (अ) गिन्नी का सोना, (ब) केन की देन-रवीन्द्र केलकर, पद्य खण्ड : 1. मनुष्यता-मैथिलीशरण गुप्त, 2. मधुर-मधुर मेरे दीपक जल-महादेवी वर्मा, संचयन-2 : 1. सपनों के-से दिन-गुरुदयाल सिंह, व्याकरण और रचनात्मक लेखन : विज्ञापन लेखन	1.मानवता सबसे बड़ा धर्म विषय पर एक अनुच्छेद लिखिए। 2. महादेवी वर्मा के पांच गीतों का संग्रह कीजिए। 3. टी.वी. पर प्रसारित किसी विज्ञापन पर लेख लिखिए।	परियोजना कार्य-15, वार्तालाप-15, प्रदत्त कार्य-10, गृह/कक्षा कार्य-10	
8.	जनवरी-2018	स्पर्श-2 : गद्य खण्ड :1.कारतूस (एकांकी)-हबीब तनवीर, पद्य खण्ड :	1. एन.सी.ई.आर.टी. द्वारा कैफी आज़मी पर बनाई गई फिल्म देखिए।	परियोजना कार्य-15, वार्तालाप-15, प्रदत्त कार्य-10,	

		1. कर चले हम फिदा-कैफी आजमी, व्याकरण और रचनात्मक लेखन : वाक्य अशुद्धिशोधन,	2. हबीब तनवीर की एकांकी 'कारतूस' का मंचन कीजिए।	गृह/कक्षा कार्य-10	
9.	फरवरी- 2018	स्पर्श-2 : पद्य खण्ड : 1. आत्मत्राण- रवीन्द्रनाथ ठाकुर, संचयन-2 : 1. टोपी शुक्ला-राही मासूम रजा, व्याकरण और रचनात्मक लेखन : सूचना लेखन,	1. सूचना लेखन का अभ्यास कीजिए।		
10.	मार्च- 2018	संकलित परीक्षा-2/वार्षिक/बोर्ड परीक्षा की पूर्व तैयारी के लिए पठित पाठ्यक्रम की पुनरावृत्ति एवं परीक्षा,			
	निर्धारित पुस्तकें : 1. स्पर्श-भाग : दो : पाठ्य पुस्तक : एन.सी.ई.आर.टी. द्वारा प्रकाशित। 2. संचयन-भाग : दो : पूरक पुस्तक : एन.सी.ई.आर.टी. द्वारा प्रकाशित। 3. हिंदी व्याकरण एवं रचना।				

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI
SPLIT-UP SYLLABUS FOR ACADEMIC YEAR 2017-2018

CLASS: X**SUBJECT: ENGLISH (LANGUAGE AND LITERATURE-184)**

Section	MAIN CONTENTS	Total
A	Reading Skills	20
B	Writing	15
C	Grammar	15
C	Text Books & Supplementary Reader & Novel	20 & 10
D	Assessment (Internal)	10
	Note Book	5
	Assessment of Speaking & Listening	5
TOTAL		100

MONTH	PERIODS	TOPIC TO BE COVERED	ENRICHMENT ACTIVITIES
APRIL	26	Prose- A letter to God ,Nelson Mandela : Long walk to Freedom Poetry –Dust of Snow, Fire and Ice Supplementary Reader-A Triumph of Surgery Listening – Teacher will read a passage and photocopies of Worksheet to be given to students to answer task Mob Fury Speaking – Variety of speaking activities will be organised for Each student for two three minutes Reading –Printed reading material will be given to students For 15 minutes to read and answer. Passage -LOINEL Writing- Bio-sketch of A R Rahman-Musician Grammar-Choosing suitable word /options to fill in the gaps	Discussion: 1”A tough year for farmers in India” Time 15 min. Lencho’s characteristics
JULY	32	Prose –His First Flight, Black Aeroplane Poetry –A Tiger in the Zoo, How to Tell Wild Animals Supplementary Reader-The Thief’s Story,Midnight Visitor Listening –Task : Parachute Jumping Speaking –Story Prompts Ex-I thought I saw/ I used to think Passage – Adventure Sports Writing - How student’s violent tendency can be curbed Grammar –Sentence completion with right options in MCQ, Reported speech,prepositions, determiners etc.	Discuss: Why are tigers extinct? Your first experience in learning swimming/cycling etc. Periodic Written Test I

August	28	<p>Prose- From the Diary of Anne Frank , Hundred Dresses I</p> <p>Poetry- The Ball Poem</p> <p>Supplementary Reader- A Question of trust</p> <p>Listening: Task “Born Free”/ “Story of Griffin”</p> <p>Speaking: Speaking Prompt</p> <p>Ex. If I were a hanger/Wallet</p> <p>Reading Passage- Whitewashing a fence</p> <p>Writing- Composing E-Mails to promote/ To appreciate / To Protest/ To Favour any burning issue of today</p> <p>Grammar- Rearranging jumbled words to form meaningful sentences.</p>	<p>Prepare a diary entry after the celebration of your birthday.</p> <p>Write a mystery story of your own.</p>
SEPTEMBER	20	<p>Prose- Hundred Dresses II</p> <p>Poetry- Amanda</p> <p>Supplementary Reader-Foot Prints Without Feet , The Making of a scientist.</p> <p>Listening: “Child Relief: Child Rights”</p> <p>Speaking: Just A Minute</p> <p>Ex. Strangers on a train / Save Electricity : save water</p> <p>JAM</p> <p>Reading :A Green cornfield</p> <p>Writing :Writing Letters to the Editor Offering suggestions to tackle hoarding/ corruption/ Black Money adopted by crooks in 150 words.</p> <p>Grammar-Subject verb agreement editing/ omitting sentences.</p>	<p>How would you go about if you become invisible like Griffin?</p> <p>Group discussion.</p> <p>Periodic written Test II</p>
OCTOBER	16	<p>Prose- Glimpses of India</p> <p>Poetry- Animals , The Trees, Fog</p> <p>Supplementary Reader-The Necklace</p> <p>Listening :Task “Cycling”</p> <p>Speaking: Enact an Advertisement</p> <p>Ex. Advertise A Pen, Luxury soap, Cell Phone Etc.</p> <p>Reading – Passage “ The Pyramid of Egypt”/ “A village schoolmaster”</p> <p>Writing- Write a debate For Or Against the motion “Are children being crippled for profit in films /Mafia Gangs /Beggary or Shows.</p> <p>Grammar –Completion of passage in Passive Voice construction ,Clause, Dialogues in Indirect Speeches etc.</p>	<p>Autumn Break 17th to 26th October 2017</p> <p>You are planning a tour to Assam. Collect necessary information on places of tourist interest.</p> <p>Write a paragraph in passive on how to prepare sandwich or any dish.</p>
NOVEMBER	32	<p>Prose-Mijbil the Otter , Madam rides the bus</p> <p>Poetry- The Tale of Custard the Dragon</p> <p>Supplementary Reader-Hack Driver , Bholi</p> <p>Listening: Any Task with worksheets.</p> <p>Speaking-Group Discussion</p> <p>Topic :Essentials of Happiness</p> <p>Develop a conversation with your friends about your pets.</p>	<p>Conduct interviews with eminent personalities of the locality. Books/film reviews, prepare talks for morning assembly or articles can also be written.</p>

		Reading: Passage "A lady who thinks she is 30" Writing-Changing Slogan "Garibi Hatao into Khushshali lao" into action. Write an awareness write up for your display board. Grammar-Integrated practice.	What difference do you notice in Valli's journey to the town as compared to her return journey.
DECEMBER	20	Prose-Serman at Banaras, The Proposal Poetry-For Anne Gregory Supplementary Reader-The Book that save the earth. Listening- Any task with worksheet. Speaking- Speech Ex. Advertisements are misleading /Education for all/ Generation gap Reading- Passage " Fences in Africa" Writing- Write an article on the importance of educating a girl child. Grammar- Modals	Group discussion-How does Kisa Gotami come to terms with her grief? Periodic Test -3 Comment on the quarrelsome nature of the characters in the lesson The Proposal,
JANUARY	32	Prose-Revision Poetry- Revision Supplementary Reader- Revision	Pre-Board Exams 18 th January to 31 st January 2018.
FEBRUARY	30	Prose-Revision Poetry- Revision Supplementary Reader- Revision	
MARCH	Board Exams		

Novel Teaching- Since division of chapters differs from Publisher to Publisher teacher can divide the chapters month wise so as to complete the entire book in two terms.

TEXT BOOKS:

1. FIRST FLIGHT
2. FOOT PRINTS WITHOUT FEET

NOVEL:

1. THE DIARY OF A YOUNG GIRL- ANNE FRANK
2. THE STORY OF MY LIFE – HELEN KELLER

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLIT-UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: X

SUBJECT : MATHEMATICS

UNIT	NAME OF UNIT	MARKS
I	NUMBER SYSTEM	06
II	ALGEBRA	20
III	GEOMETRY	15
IV	COORDINATE GEOMETRY	06
V	TRIGONOMETRY	12
VI	MENSURATION	10
VII	STATISTICS& PROBABILITY	11
	TOTAL	80

Note: Internal Assessment -20 Marks (10 Marks Periodic Test + 5 Marks Notebook Submission + 5 Marks Activities).

MONTH	No. OF PERIODS	UNITS/SUB UNITS TO BE COVERED	ACTIVITIES (TOPIC BASED)
APRIL/JUNE	30	NUMBER SYSTEM: Real Numbers: Euclid's division lemma, Fundamental Theorem of Arithmetic- statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of results- Irrationality of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ etc. Decimal expansions of Rational numbers in terms of terminating/non-terminating recurring. ALGEBRA: Polynomials: Zeroes of Polynomial. Relationship between zeroes and coefficients of quadratic polynomials. Statement and simple problems on division algorithm for polynomials with real coefficients. Pair of Linear Equations in two Variables: Pair of Linear Equations in two Variables. Geometric representation of different possibilities of solutions inconsistency. Algebraic conditions for number of solutions. Solution of pair of linear equations in two variables algebraically by Substitution, by Elimination must be included. Simple problems on equations reducible to linear equations may be included.	Activities- 1,2 & 3 (At least one Activity from each topic)
JULY	30	ALGEBRA: Quadratic Equations: Standard Form of quadratic equation $ax^2 + bx + c = 0, (a \neq 0)$. Solution of the quadratic equations (Only real roots) by factorization, by completing the square, and by using quadratic formula. Relationship between discriminant and nature of roots. Problems related day to day activities to be incorporated. Arithmetic Progressions: Motivation for studying A.P. Derivation of standard results of finding the n^{th} term and sum of first n terms and their application in solving daily life problems.	Activity- 4 and 5 Periodic Written Test-1

AUGUST	31	<p>COORDINATE GEOMETRY: Lines (In two dimension)-Reviews the concepts of co-ordinate geometry done in earlier including graphs of linear equations. Awareness of geometrical representation of quadratic polynomials. Distance between two points and section formula (internal). Area of triangle.</p> <p>GEOMETRY: TRIANGLES : Similar triangles:Definitions, examples, counter examples of similar triangles. (i)(Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio. (ii)(Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side. (iii) (Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar. (iv)(Motivate) If the corresponding sides of two angles are proportional their corresponding angles are equal and the two triangles are similar. (v) (Motivate) If one angle of triangle is equal to one angle of another triangle and the sides including these angles are proportional , two triangles are similar. (vi) (motivate) If a perpendicular is drawn from the vertex of right angle of a right triangle to the hypotenuse, triangles on each side of the perpendicular are similar to the whole triangle and to each other. (vii) (prove) The ratio of the areas of two similar triangles is equal to the ratio of the squares on their corresponding sides. (viii) (prove) In a right triangle, the square on the hypotenuse is equal to the sum of the squares on the other two sides. (ix) (prove) In a triangle, If the square on one side is equal to sum of squares on the other two sides, the angle opposite to the first side is right angle.</p>	Activity- 6 and 7
SEPTEMBER	30	<p>Circles: Tangent to a circle motivate by chords drawn from points coming closer and closer to the point. (i)(prove) the tangent at any point of a circle is perpendicular to the radius through the point of contact. (ii) (prove) The length of tangents drawn from an external point to the circle are equal.</p> <p>Constructions: (i)Division of a line segment in a given ratio(Internally). (ii)Tangent to a circle from a point outside it. (iii)Construction of a triangle, similar to a given triangle.</p>	Activity- 8 and 9 Periodic Written Test-2
OCTOBER	30	<p>TRIGONOMETRY: Introduction to trigonometry: Trigonometric ratios of an acute angle of a right -angled triangle. Proof of their existence (well defined); motivate the ratios, whichever are defined at 0° and 90° values (with proofs) of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios.</p> <p>Trigonometric Identities: Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.</p>	Activity- 10 and 11

		Trigonometric ratios of complementary angles. Some Applications of Trigonometry: (Heights and distances) Simple and believable problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation/depression should be only 30° , 45° and 60° .	
NOVEMBER	30	MENSURATION: (i) Areas related to circles: Areas of plane figures-Motivation-Relating its needs in day to day life. The area of a circle; area of sectors and segments of a circle. Problems based on areas and perimeter/ circumference of the above said plane figures (In calculating area of segment of a circle, problems should be restricted to central angle of 60° , 90° & 120° only. Plane figures involving triangles, simple quadrilaterals and circle should be taken). (ii) Surface areas and Volumes: (i) Problems on finding surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones. Frustum of a cone. (ii) Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids be taken).	Activity- 12 and 13
DECEMBER	25	STATISTICS: Mean, Median and Mode of grouped Data (bimodal situation to be avoided). Cumulative frequency Graph. Probability: Classical definition of probability. Connection with probability as given in class IX. Simple problems on single events, not using set notation.	Activity-14 and 15 Periodic Written Test-3
JANUARY	30	REVISION & PRE BOARD EXAMINATION	
FEBRUARY	28	REVISION FOR BOARD EXAMINATION	
MARCH		BOARD EXAMINATION	

SOME OF THE SUGGESTED ACTIVITIES

- Find the HCF of two numbers experimentally To based on Euclid's Division Lemma.
- To draw the Graph of a Quadratic Polynomial and observe:
 - (i) The shape of the curve when the coefficient of x^2 is positive.
 - (ii) The shape of the curve when the coefficient of x^2 is negative.
 - (iii) Its number of zeroes.
- To obtain the conditions for consistency of system of linear equation in two variables by graphical method.
- To obtain the solution of a quadratic equation ($x^2+4x=60$) by completing the square geometrically.
- To verify the given sequence is an arithmetic progression by paper cutting and pasting method.
- To verify that the sum of the first n natural numbers is $n(n+1)/2$ by graphical method.
- To verify that the sum of first n odd natural numbers is n^2 by an activity.
- To verify the distance formula by graphical method.
- To verify section formula by graphical method.
- To verify the basic proportionality theorem using parallel line board and triangles cut outs.
- To verify the Pythagoras theorem by method of paper cutting and pasting.
- To verify the ratio of areas of two similar triangles is equal to square of ratios of their corresponding sides.
- To verify using the method of paper cutting, pasting and folding that –

- i) The angle in semi circle is a right angle.
- ii) The angle in a major segment is acute.
- iii) The angle in a minor segment is obtuse.
- To verify by the method of paper cutting and pasting the length of tangents drawn from an external point are equal.
- To verify trigonometric identities.
- To make a clinometers and use it to measure the height of an object.
- To verify the sum of areas of three sectors of the same radius r found at any triangle is $\pi r^2/2$ using paper cutting and pasting.
- To make right circular cylinder of given height, circumference of the base.
- To obtain the formula for the lateral surface area of right circular cylinder in terms of radius r , of its base and height h .
- To make a cone of given slant height l and base circumference $2\pi r$.
- To give a suggestive demonstration of the formula for the lateral surface area of a cone.
- To find the mean, median, mode of mathematics marks of UT class X and draw OGIVE.
- To get familiar with the idea of probability of an event through double colour card experiment.
- To determine Experimental probability of a head (or a tail) by tossing a coin 10 times and compare it with its theoretical probability.

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NAVODAYA VIDYALAYA SAMITI
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS-X**SUBJECT: SCIENCE**

MONTH	NO.OF DAYS	PERIODS AVAILABLE	WEIGHTAGE	UNITS/SUB UNIT/CHAPTERS AND TOPICS TO BE COVERED	PRACTICALS/ ACTIVITIES	REMARKS
APRIL/ JUNE	22	12	25	Effects of Current Electric current, potential difference and electric current. Ohm's law; Resistance, resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life.	Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.	
	22	12	30	UNIT: World of Living Chapter: Life Processes Living Being: Basic Concepts of Nutrition, Respiration, Transport and Excretion in Plants and Animals	Preparing a temporary Mount of a leaf peel to show stomata.	
	22	12	25	Chemical Substances- Nature and Behaviour: Chemical reactions: Chemical equation, Balanced chemical equation, implication of a balanced chemical equation, types of chemical reactions: Combination, decomposition, displacement, double displacement, precipitation, neutralization, oxidation and reduction.	Performing and observing the following reactions and classifying them into: a)Combination reaction b)Decomposition reaction c)Displacement reaction d) Double displacement reaction- (i)Action of water on quick lime (ii) action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solution	
JULY	18	10		Effects of Current Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R. Magnetic effects of current :Magnetic field, field lines, field due to a currentcarrying conductor, field due to current carrying coil or solenoid;	Determination of the equivalent resistance of two resistors when connected in Series and parallel.	Periodic Written Test-I
	18	10		Chapter: Control And Coordination in animals and plants: Tropic Movements in Plants; Introduction of Plant Hormones; Control and Coordination in Animals; Nervous System; Voluntary, In Voluntary and Reflex action	Experimentally show that carbon dioxide is given out during respiration.	

	18	10		Chapter: Acids, bases and salts : Their definitions in terms of furnishing of H ⁺ and OH ⁻ ions, General properties, examples and uses, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris	Finding the pH of the following samples by using pH paper / universal indicator; (a) Dilute Hydrochloric Acid (b) Dilute NaOH Solution (c) Dilute Ethanoic Acid Solution (d) Lemon Juice (e) Water (f) Dilute Hydrogen Carbonate Solution Studying the properties of acids and bases (HCl & NaOH) by their reaction with: (a) Litmus solution (Blue/ Red) (b) Zinc metal (c) Solid sodium carbonate	
AUGUST	22	12		Effects of Current Force on currentcarrying conductor, Fleming's Left Hand Rule, Electric Motor, Electromagneticinduction. Induced potential difference, Induced current. Fleming's Right Hand Rule, Electric Generator, Direct Current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits.	-----	
	22	12		Chapter: Control and Coordination in animals and plants ; Chemical Co-Ordination : Animal Hormones Chapter: Reproduction: Reproduction in animals and plants(asexual and sexual)	Studying (a) binary fission in Amoeba, and (b) budding in yeast with the help of prepared slides	
	22	12		Chapter: Metals and Non-metals: Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds.	Observing the action of Zn, Fe, Cu, and Al metals on the following salt solutions:(a) ZnSO ₄ (aq), (b) FeSO ₄ (aq) (c) CuSO ₄ (aq) (d) Al ₂ (SO ₄) ₃ (aq) Arranging Zn, Fe, Cu, and Al (metals) in the decreasing order of reactivity based on the above result	
SEPTEMBER	16	10		Natural Phenomena Reflection of light by curved surfaces; Images formed by spherical mirrors, Centre ofcurvature, principal axis, principal focus, focal length, mirror formula (Derivationnot required), magnification.	Determination of the focal length of : i) Concave mirror ii) Convex lens by obtaining the image of a distant object.	Periodic Written Test-II

	16	10	Reproductive health- need and methods of family planning; Safe Sex v/s HIV/AIDS; Child bearing and women's health	-----	
			Basic metallurgical processes; Corrosion and its prevention. Carbon compounds : Covalent bonding in carbon compounds. Versatile nature of carbon . Homologous series.	-----	
OCTOBER	13	6	Refraction; Laws of refraction, refractive index.	Tracing the path of a ray of light passing through a rectangular glass slab for Different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.	
	13	06	Unit: World of Living Chapter: Heredity and Evolution: Heredity ; Mendel's contribution- Laws for inheritance of traits: Sex determination : brief introduction	-----	
	13	6	Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes, and alkynes), difference between saturated hydrocarbons and unsaturated hydrocarbons.	Study of the following properties of acetic acid (ethanoic acid) : i) odour ii) solubility in water iii) effect on litmus iv) reaction with sodium Hydrogen Carbonate	
NOVEMBER	23	12	Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens. Functioning of a lens in human eye, defects of vision and their corrections, Applications of spherical mirrors and lenses. Refraction of light through a prism, dispersion of light,	Tracing the path of the rays of light through a glass prism.	
	23	12	Chapter: Heredity and Evolution : Basic concepts of Evolution; Unit: Natural Resources: Chapter: Our Environment: Eco- System, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances	Identification of the different parts of an embryo of a dicot seed (Pea, gram or red Kidney bean)	

	23	12		Chemical properties of carbon compounds (combustion, oxidation, addition, and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), Soaps and detergents.	Study of the comparative cleaning capacity of a sample of soap in soft and hard water.	
DECEMBER	21	8		Light : scattering of light,applications in daily life. Sources of energy (nuclear fusion and fission, wind, solar, hydro energy)	-----	Periodic Written Test-III
	21	08		Chapter: Management of Natural Resources: Conservation and judicious use of natural resources. Forest and wild life; Coal and Petroleum conservation. Examples of people's participation for conservation of natural resource. Big dams: advantages and limitations; alternatives, if any. Water harvesting. Sustainability of natural resources. Sources of energy (Bio mass and Bio gas energy)	-----	
	21	8		Periodic classification of elements : Need for classification, Early attempts at classification of elements (Dobereiner's Triads, Newland's Law of Octaves, Mendeleev's Periodic Table), Modern Periodic table, gradation in properties, valency, atomic number, metallic and non-metallic properties. Sources of energy (Petroleum)	-----	
JANUARY -Revision - Pre- Board Exam						
FEBRUARY-Revision						
MARCH -Board /Yearly Exam						

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODYA VIDHYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS-X**SUBJECT: SOCIAL SCIENCE**

S. No.	UNIT	MARKS
1.	India and the contemporary world -II	20
2.	Contemporary India –II	20
3.	Democratic Politics –II	20
4.	Understanding Economic Development –II	20
5.	Internal Assessment	20

Note: Internal Assessment -20 Marks (10 Marks Periodic Test + 5 Marks Notebook Submission + 5 Marks Activities).

Month	Approx. No Of Working Days	Unit	Sub Unit	Remarks
April/ June 2017	25	Unit 1 : India and the Contemporary World-II(History) i) The Making of a Global World(Chapter 4) ii) Print culture and the Modern World(Chapter 7) Unit 2: Contemporary India-II(Geography) Resources and Development(Chapter 1) Unit 3 : Democratic Politics-II(Civics) Power Sharing(Chapter 1) Unit 4: Understanding Economic Development(Economics) Development (Chapter 1)	(a) Contrast between the form of industrialization in Britain & India (b) Relationship between handicraft & industrial production , formal and informal sectors (C) Livelihood of workers case studies : Britain & India Chapter -4 i. The history of print in Europe ii. The growth of press in nineteenth century iii. Relationship between print culture , public debate and politics . Chapter -7 UNIT -II Resources & development : Types – Natural and human need for resource planning natural resources , land as a resource , soil types and distribution , changing land use – pattern land degradation and conservation measures (Chapter-1) UNIT-III Why and how is power shared in democracies ? (Chapter-1) UNIT –IV The traditional notion of development : National Income and per – capita Income Growth of NI- Critical appraisal of existing development indicators (PCI, IMR, SR and other income and health Indicators) The need for health and educational developments, human developments	

			, indicators (in simple and brief as a holistic measure of development. The approach to this theme : Use case study of three states (Kerala , Punjab & Bihar) or take a few countries (India, China, Sri Lanka , and one developed country) (Chapter-I)	
July 2017	20	Unit 1 : i) The age of Industrialisation(Chapter 5) ii) Novels, Society and History (Chapter 8) Unit 2 : i) Forest and Wild Life Resources(Chapter 2) ii) Water Resources (Chapter 3) Unit 3 : Federalism (Chapter 2) Unit 4 : Sectors of the Indian Economy (Chapter 2)	UNIT : I (a)Patterns of urbanization (b)Migration and the growth of towns (c)Social change and urban life (d) Merchants , middle classes workers and urban poor (chapter-5) Case studies : London and Bombay in the nineteenth and twentieth century (Chapter –V) i. Emergence of the novel as a genre in the west . ii. The relationship between the novel and changes in modern society iii. Early novels in nineteenth century India iv. A study of two or three major writers (Chapter no-8) UNIT –II Types and distribution , depletion of flora and fauna , conservation and protection of forest and wild life. (Chapter -2) Water Resources : Sources ,Distribution, utilization, multi purpose projects , water scarcity , need for conservation and management, rain water harvesting (One case study to be introduced (Chapter -3) UNIT- 3 How has federal division of power in India helped national unity ? To what extent has decentralization achieved this objective ? How does democracy accommodate different social groups ? (Chapter-2) UNIT -4 Sectors of Economic activities , Historical change in sectors , rising importance of tertiary sector , employment generation , division of Sectors Organized and Unorganized , Protective measures for unorganized sector workers (Chapter-2)	Periodic Test -1
August 2017	24	Unit 1 : Work, Life and Leisure (Chapter 6) Unit 2 :	a. Expansion and integration of the world market in nineteenth and early twentieth century	

		<p>Agriculture (Chapter 4)</p> <p>Unit 3 :</p> <p>i) Democracy and Diversity (Chapter 3)</p> <p>ii) Gender, Religion and Caste (Chapter 4)</p> <p>Unit 4 :</p> <p>Money and Credit (Chapter 3)</p>	<p>b. Trade and economy between the two wars</p> <p>c. Shift after the 1950 s</p> <p>d. Implications of globalization for livelihood patterns</p> <p>Case study : The post war International Economic order 1945 to 1960 s (Chapter 6)</p> <p>UNIT: 2</p> <p>Types of farming , measure crops , cropping pattern technological and institutional reforms : their impact contribution of agriculture to national economy – employment and output.</p> <p>(Chapter -4)</p> <p>UNIT -3</p> <p>Democracy and Diversity & gender religion and caste: Are divisions inherent to the working of democracy ? What has been the effect of caste on politics and of politics on caste ? How has the gender division shaped politics ? How do communal division affect democracy ?</p> <p>(Chapter 3 & 4)</p> <p>UNIT -4</p> <p>Money & Credit : Role of money in an economy . Historical origin , formal & informal financial institutions for savings and credit-general introduction , select one formal institutional such as a nationalized commercial bank and a few informal institutions , Local money lenders landlords , self help groups , chit funds and private finance companies (Chapter -3)</p>	
Sept. 2017	07		Disaster management :- Tsunami and Safer Construction practices	Periodic Written test - II
Oct./ Nov. 2017	30	<p>Unit 1 :</p> <p>i) The Rise of Nationalism in Europe(Chapter 1)</p> <p>ii) Nationalism in India (Chapter 3)</p> <p>Unit 2 :</p> <p>i) Minerals and Energy Resources (Chapter 5)</p> <p>ii) Manufacturing Industries (Chapter 6)</p> <p>Unit 3 :</p> <p>i) Popular Struggles and Movements (Chapter 5)</p>	<p>UNIT -I</p> <p>a. The growth of nationalism in Europe after the 1830 s .</p> <p>b. The idea of Giuseppe Mazzini etc.</p> <p>c. General characteristic of the movement in Poland, Hungary , Italy , Germany and Greece (Chapter-I)</p> <p>1. First World war Khilafat , Non – cooperation and civil</p>	

	<p>ii) Political Parties (Chapter 6)</p> <p>Unit 4 :</p> <p>Globalisation and the Indian Economy (Chapter-4)</p>	<p>disobedience movement .</p> <ol style="list-style-type: none"> 2. Salt Satyagraha 3. Movement of peasants , workers , tribals 4. Activities of different political groups (Chapter-3) <p>UNIT -II</p> <p>Types of minerals , distribution and use and economic importance of minerals , conservation, types of power resources : Conventional and non conventional , distribution and utilization and conservation (Chapter-5)</p> <p>Manufacturing industries : Types spatial distribution , contribution of industries to the national economy, industrial pollution and degradation of environment , measures to control degradation (one case study to be introduced) (Chapter-6)</p> <p>UNIT – 3</p> <p>popular struggles and movements & political parties : How do struggle shape democracy in favour of ordinary people ? What role do political parties play in competition and contestation ? Which are the major national and regional parties in India ? Why have social movements come to occupy large role in politics (Chapter 5 & 6)</p> <p>UNIT -4</p> <p>Globalization and the Indian Economy : What is Globalization (through some simple examples) , How India is being Globalized and why , Development strategy prior to 1991 state control of Industries: Textile goods as an example for elaboration , Economic Reforms 1991 , Strategies adopted in reform measures (easing of capital flows , migration , investment flows) Different perspectives on Globalization and its impact on different sectors , political impact of Globalization (Chapter-4)</p>	
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Dec. 2017	15	<p>Unit 1 : The Nationalist Movement in Indo-China(Chapter 2)</p> <p>Unit 2: Life Lines of National Economy (Chapter 7)</p> <p>Unit 3 : i) Outcomes of Democracy (Chapter 7) ii) Challenges to Democracy (Chapter 8)</p> <p>Unit 4: Consumer Rights (Chapter 5)</p>	<p>UNIT -1 Factors leading to growth of Nationalism in India (a) French Colonies in Indo- China (b) Phases of struggle against the French (c) The Idea of Phan Dinh Phung Phan Boi Chau , Nguyen Ac Quoc (d)The second world war and the liberation struggle (e) America and the second Indo China War (Chapter-2)</p> <p>UNIT -2 <u>Life Line of National Economy</u> (Chapter -7)</p> <p>UNIT -3 <u>Outcomes of democracy:</u> Can or should democracy be judged by its outcomes ? What outcomes can one reasonably expect of democracies ? Does democracy in India meet these expectations ? Has democracy led to development , security and dignity for the people ? What sustains democracy in India ? (Chapter- 7)</p> <p><u>Challenges to Democracy :</u> Is the idea of democracy shrinking ? What are the major challenges to democracy in India? How can democracy be reformed and deepened? what role can an ordinary citizen play in deepening democracy ? (Chapter- 8)</p> <p><u>Consumer Rights :</u> How consumer is exploited (one or two simple case studies) factors causing exploitation of consumers , Rise of consumer awareness , how a consumer should be in a market , role of government in consumer protection (Chapter- 5)</p>	<p>Periodic Test-3</p>
Jan. 2018 -Pre Board Exam				
Feb. 2018 -Revision		<p>Disaster Management: Survival Skills , Alternate Communication systems during disaster , sharing responsibility</p>		
March 2018 - Board Exam/ Yearly Exam				

Disaster management through projects and assignments only

1. This is the modified copy of split up syllabus 2017-18.
2. The teacher concerned is requested to refer to the CBSE curriculum for further clarification, if any.

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: X

SUBJECT: FOUNDATION OF INFORMATION TECHNOLOGY (FIT) (CODE No. 165)

UNIT DESCRIPTION

UNIT	DESCRIPTION	MARKS	
		THEORY	PRACTICAL
UNIT-I	Basics of Information Technology	10	-
UNIT-II	Information Processing Tools	25	30
UNIT-III	Societal Impacts of IT	05	-
UNIT-IV	IT Applications	-	30
	TOTAL	40	60

S.No.	MONTH	UNITS/SUB UNITS TO BE COVERED
1	APRIL-2017	<p><u>Unit I: Basics of Information Technology</u> Internet: World Wide Web, Web servers, Web Clients, Web sites, Web Pages, Web Browsers, Blogs, News groups, HTML, Web address, E-mail address, URL, HTTP, FTP, downloading and uploading files from remote site;</p> <p>Services available on Internet: Information Retrieval, Locating sites using search engines and finding people on the net; Web Services: Chat, email, Video Conferencing, e-Learning, e-Banking, e-Shopping, e-Reservation, e-Governance, e-Groups, Social Networking.</p>
2	JULY-2017	<p><u>Unit II: Information Processing Tools</u> Office Tools Database Management Tool: Basic Concepts and need for a database, Creating a database, DataTypes-Text, Number, Date, Time, Setting the Primary Key, Entering data into a database, Inserting and deleting Fields, Inserting and deleting Records, Field Size, Default Value, Creating Query using Design view. Information Representation Methods Hyper Text Markup Language Introduction to Web Page Designing using HTML, Creating and saving an HTML document, accessing a web page using a web browser (Google Chrome, Internet Explorer, Mozilla Firefox, Opera, Apple Safari, Net scape Navigator);</p> <p>PERIODIC WRITTEN TEST-I</p>
3	AUGUST-2017	<p>Elements in HTML: Container and Empty elements, Designing web pages using the following elements: HTML, HEAD, TITLE, BODY (Attributes: BACKGROUND, BGCOLOR, TEXT, LINK, ALINK, VLINK, LEFTMARGIN, TOPMARGIN), FONT(Attributes: COLOR, SIZE, FACE), BASEFONT(Attributes: COLOR, SIZE, FACE), CENTER, BR (Break), HR(Horizontal Rule, Attributes: SIZE, WIDTH, ALIGN, NOSHADE, COLOR) inserting comments, H1..H6 (Heading), P (Paragraph), B (Bold), I (Italics), U (Underline), UL & OL (Unordered List & Ordered List Attributes: TYPE, START), LI (List Item) Insertion of images using the element IMG (Attributes: SRC, WIDTH, HEIGHT, ALT, ALIGN), Super Script SUP, Subscript SUB, Creating Table using the element TABLE (BACKGROUND, BGCOLOR, WIDTH, CELSPACING, CELLPADDING, BORDER), TR, TH, TD, ROWSPAN, COLSPAN, Internal and External Linking between Web Pages: Significance of linking, A - Anchor Element (Attributes: NAME, HREF, TITLE, MAILTO).</p>
4	SEPTEMBER-2017	<p>XML (Extensible Markup Language) Introduction to XML, Difference between XML and HTML with respect to the following: Data separation, data sharing, document structure, tags, nesting of elements, attributes, values. XML Elements - Defining own tags in XML, root elements, child elements and their attributes; Comments in XML, White space and</p>

		new line in XML, well-formed XML documents, validating XML documents, XML Parser, Viewing XML documents in a web browser. PERIODIC WRITTEN TEST-II
5	OCTOBER-2017	Unit III: Societal Impacts of IT Information Security: Virus, Worms, Trojans and Anti-Virus Software, Spyware, Malware, Spams, Data Backup and recovery tools and methods, Online Backups, Hacker and Cracker with regard to Computer Data and Applications, Social Networking Information security provisions in e-commerce, Benefits of ICT in Education, Healthcare, Governance, Virtual, School, emergence of Knowledge economy, Impact of ICT on Society: Knowledge based society, Infomania, Digital Unity and Digital Divide.
6	NOVEMBER-2017	Unit IV: IT Applications Projects on the suggested following topics using Database Management Tool and HTML on topics implementing the tools/elements covered in the course. Domains: Database Design: • Personal Data Record File • School/Class Result Record • Employee Payroll • Stock Inventory • Vehicle Parking Record File Webpage Design: • My Home Page • My School • My Family • Personal Blog with Name, Photo, Areas of Interest, School, State, Country • School Website - Infrastructure, Facilities, Uniform, Motto, School Pictures, Extra Curricular Activities, Subject and Language Options • Travel and Tourism • Statistics on India - State wise Area, Population, Literacy (Enrolment in Primary, Middle, Secondary, Senior Secondary), Gender Ratio • Environment (Save Energy) and Pollution (Global Warming)
7	DECEMBER-2017 – REVISION, PERIODIC WRITTEN TEST-III	
8	JANUARY-2018 - PRE BOARD EXAM	
9	FEBRUARY-2018 - REVISION	
10.	MARCH-2018 - BOARD EXAM	

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS-X

SUBJECT: ART(VISUAL)

MONTH	PERIODS	TOPICS TO COVER	MEDIUM/ MATERIALS
APRIL/JUNE	4	<u>Compositional Still Life:</u> Study of light & shade by arranging 4/5 objects. A piece of cloth may also be arranged for the study of drapery folds. One composition in pencil shading and one composition in water colour.	Pencil/Water Colour
JULY PWT-1	3	<u>Folk Art:</u> Paintings based on Folk traditions of India, like, <i>Madhubani, Pata Chitra, Worli art, Gond art, Rajasthani art, etc.</i>	Poster Colour/Any required materials according to the type of Folk Art.
AUGUST	4	<u>Composition Painting:</u> Composition Painting based on daily life scenes. OR Compositions based on different <i>Rasas</i> like, <i>Karun, Vatsalya, Shringar</i> , etc. may be incorporated. (The paintings must follow the rules of <i>Shadang</i> : the six limbs of Indian Paintings)	Water Colour, Poster or Acrylic Colour. A system with internet facility can be made in the Art Room.
SEPTEMBER PWT-2	3	<u>Composition Landscape:</u> On the spot Landscape. Emphasis should be given on Perspective, Composition, Balance, Perfection of Forms, etc.	Pencil/Water or Acrylic Colour/Mix Media.
OCTOBER	3	<u>Life Study:</u> Study of Human Anatomy, Actions and expressions.	Pencil/Water or Acrylic Colours.
NOVEMBER	4	<u>Portrait:</u> Portraits of great personalities in different mediums. <u>Computer Aided Designs:</u> Working knowledge of Computer Aided Designs on various designing software like, Corel Draw, Photoshop, etc.	Pencil/Water or Acrylic Colour/Computer.
DECEMBER PWT-3	3	Submission of written assignment based on the life & works of great Indian Artists.	
JANUARY FEBRUARY MARCH	REVISION & YEARLY EXAMINATION		

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: X**SUBJECT: MUSIC**

MONTH	PERIODS	CONTENTS
APRIL/JUNE	4	Revision of Keertans Theory: A comparative study of Carnatic & Hindustani Music: Ragas. Theory of Swaras (Komal, Teevra & Shuddha)
JULY PWT-1	3	Theory: A comparative study of Carnatic & Hindustani Music: Talas. Song in other than Hindi Language. Group Song related to a Festival. Keertan Continues.
AUGUST	4	Theory: A comparative study of Carnatic & Hindustani Music: Musical Forms. Patriotic Song in Hindi. Keertan Continues.
SEPTEMBER PWT-2	3	Theory: Short note on Sugam Sangeet (Light Music) Song in Hindi Language. Folk Song.
OCTOBER	3	Keertan, Singing Rhythmic patterns in different talas. Theory: 10 Thats (FkkV) in Hindustani Music
NOVEMBER	4	Theory of Talas (Specific): Dadra, Teen tal, Rupak, Deepchandi, Kaharwa, Ek Tal (12 matras) Folk Dance (Covering at least 4 States) Biography (Life & Works) of famous Indian personalities related to Music.
DECEMBER PWT-3	3	Drama: Basics of Acting, Expression & dialogue delivery, Use of properties & costumes. Revision of previous lessons. Assessment & evaluation.
JANUARY FEBRUARY MARCH	REVISION AND YEARLY EXAMINATION	

NAVODAYA VIDYALAYA SAMITI-NOIDA
SPLITUP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: X**SUBJECT: PHYSICAL EDUCATION**

- Morning jogging and warming-up exercises and evening games to be conducted (except Sunday and holidays).
- Battery test to be conducted in the beginning and end of the year.
- Exercises should be given to develop motor ability of the child (speed, strength, endurance, flexibility, agility and coordination).

Month	Physical Education		Physical & Health Education-Theory
	Morning	Evening	
April/ June	Jogging and warming up. ☐☐Free hand exercises for coordination. ☐☐Battery test(to analyze their ability) ☐☐Yogasana: Suryanamaskara, Mayurasana, Kukutasana.	Selecting students to appropriate games and sports based on battery test analysis. ☐☐Basketball ☐☐Hockey ☐☐Athletics: Triple jump-basic skills	UNIT-I: ☐☐Test for Measuring different Fitness Components, ☐☐Strength: Pull Ups, Pus Ups, Rope climbing ☐☐Speed: 30 Mtrs, 40 Mtrs ☐☐Flexibility: sit and Reach, Tests to measure Spine Flexibility ☐☐Endurance: 9 Min, 12 Min, Run and Walk ☐☐Agility: shuttle Run(10x4) UNIT-II: Play, Meaning and concept, characteristics of Play, Benefits of Play, Regional play activities
July PWT-1	General fitness exercises ☐☐Aerobics. ☐☐Yogasana: Suryanamaskara, Shirasasana . and Makarasana	Practice of skills and techniques of the taken game. ☐☐Athletics; skills practice of jumps	UNIT-III: Physical activity and Gender, anatomical differences between genders, Physical activity and women, weight training for women UNIT-IV: Stress and coping, Meaning and causes, relaxation training, coping strategies
August	Jogging and warming up. ☐☐Calestanics exercises. ☐☐March past practice. ☐☐Group Activities. ☐☐Yogasana: Suryanamaskara, Gandaberundasana, Sunakasana.	Practice of basic and skills of Basketball and Hockey. ☐☐Athletics: Throwing event -Hammer Throw	UNIT-V: Physical Activity and Quality of Life, Meaning and Concept, Benefits of Physical activities to promote quality of life, development of ethical values through physical activities.
September PWT-2	General conditioning exercises. ☐☐Group activities of coordination ☐☐Yogasana: Suryanamaskara, Hanumanasana Natarajasana.	Improvised skill practice and lead up games. ☐☐athletics.- ☐☐Endurance Training.	UNIT-VI: Physiological basis of Physical Education, Meaning and concept of Physiology, Measurement of blood pressure, pulse rate and respiratory rate, warming up and cooling down. UNIT-VII: Psychological basis of Physical Education, Meaning and Importance,

November	General Fitness exercises ☐☐Mobility exercises. ☐☐Rhythmic Activities- ☐☐Lazium. ☐☐Yoga-Suryanamaskar, Omkarasana Vruschikasana	Basic movements. Of the taken games. ☐☐Athletics: Field events practice	UNIT-VII: Habit: formation of good habits, breaking bad habits, emotions: meaning of emotions, types, training for controlling emotions. UNIT-VIII: Career avenues in the field of Physical Education, Career avenues in educational institutions, media, fitness, industries (Sports),
December PWT-3	Coordination movements ☐☐Gymnastics: Parallel Bar exercises. ☐☐Yogasana: Suryanamaskara, Meditaion.	Improvised skill of the games. ☐☐Athletics: Strength related exercises for jumps.	UNIT-VIII: Educational qualifications in Physical Education, Leading Institutions of Physical Education UNIT-IX: Safety and Injuries, Self Safety, Safety of equipments, and prevention of sports injuries
January	General Fitness exercises and practice of previous activities. ☐☐Practice of different Formations in Dombbells. ☐☐Yogasana: ☐☐Suryanamaskara, ☐☐Meditation.	Practice/ game situations. Athletics: Jumping and Bounding exercises. Hurdles	REVISION
February	General conditioning exercise ☐☐Yogasana: ☐☐Suryanamaskar and Meditation.	Battery test and practice matches.	REVISION & PRACTICE PAPERS
March - (Board Examination)			

Suggestions:

- 🏆 Inter House matches will be conducted as per the schedule of department of physical education of respective Vidyalayas.
- 🏆 Trekking and hiking can be conducted once in a year.
- 🏆 Allow the students to watch the live matches.
- 🏆 Martial arts should be encouraged by the help of available resource persons.

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

नवोदय विद्यालय समिति, नोएडा
पाठ्यक्रम विभाजन 2017-18

हिंदी-केन्द्रिक

(कोड संख्या-302) कक्षा: ग्यारहवीं

क्र.सं.	विषय सामग्री	अंक
1.	अपठित बोध (गद्यांश और पद्यांश बोध) 10+5	15
2.	कार्यालयी हिंदी और रचनात्मक लेखन 25	25
3.	गद्य-पद्य संकलन (आरोह भाग-एक) पाठ्य पुस्तक 20+15	35
4.	पूरक पुस्तक (वितान भाग-एक) 15	15
5.	मौखिक परीक्षण (श्रवण तथा वाचन) 5+5	10
	योग	100

प्रथम सत्र

क्र. सं.	माह	आरोह भाग-एक	वितान भाग-एक	अभिव्यक्ति और माध्यम	टिप्पणी
1.	अप्रैल/जून	<u>गद्य खंड</u> : 1. नमक का दारोगा-प्रेमचंद <u>पद्य खंड</u> : (अ) हम तौ एक एक करि जानां (ब) संतो देखत जग बौराना-कबीर			
2	जुलाई	<u>गद्य खंड</u> : 1. मियाँ नसीरुद्दीन-कृष्णा सोबती 2. अपू के साथ ढाई साल-सत्यजित राय <u>पद्य खंड</u> : (अ) मेरे तो गिरधर गोपाल दूसरो न कोई (ब) पग घुघरू बाँधि मीरा नाची-मीराबाई	1. भारतीय गायिकाओं में बेजोड : लता मंगेशकर-कुमार गंधर्व	2. अभिव्यक्ति और माध्यम : 1. प्रिंट माध्यम 2. समाचार 3. संपादकीय	1. प्रथम इकाई परीक्षा 2. प्रदत्त कार्य/परीक्षा 3. परियोजना कार्य UT-1
3	अगस्त	<u>गद्य खंड</u> : 1. बिदाई संभाषण-बाल मुकुंद गुप्त 2. गलता लोहा-शेखर जोशी पद्य खंड : (अ)	राजस्थान की रजत बूँदें -अनुपम मिश्र	1. रिपोर्ट 2. आलेख 3. फीचर	1. द्वितीय इकाई परीक्षा 2. प्रदत्त कार्य/परीक्षा 3. परियोजना

		पथिक-रामनरेश त्रिपाठी (ब) वे आँखें-सुमित्रानंदन पंत			कार्य UT-2
4.	सितम्बर- 2017	<u>गद्यखंड</u> : 1. स्पति में बारिश-कृष्णनाथ <u>पद्यखंड</u> : 1 घर की याद 1 भवानी प्रसाद मिश्र	पुनरावृत्ति	1. निबंध लेखन 2 पत्रलेखन 3. संक्षिप्त प्रश्नोत्तर	1. तृतीय इकाई परीक्षा 2. प्रदत्त कार्य / परीक्षा 3. परियोजना कार्य UT-03
		प्रथम सत्रांत परीक्षा को मद्देनजर रखते हुए पूर्व पठितांश की पुनरावृत्ति	पुनरावृत्ति	संज्ञांत चपतबलं	प्रथम सत्रांत परीक्षा
	अक्टूम्बर / नवम्बर	<u>गद्य खंड</u> : 1. रजनी-मन्नू भंडारी पद्य खंड : (1) चंपा काले काले अच्छर नहीं चीन्हती-त्रिलोचन (2) गजल (साये में धूप)-दुष्यंत कुमार	1. आलो आँधारी (प्रथम भाग)-बेबी हालदार	1. अपठित गद्यांश 2. अपठित काव्यांश UT-4	1. चतुर्थ इकाई परीक्षा 2. प्रदत्त कार्य / परीक्षा 3. परियोजना कार्य
	दिसम्बर	<u>गद्य खंड</u> : 1. जामुन का पेड़-कृष्णचंदर <u>पद्य</u> <u>खंड</u> : (अ) हे भूख मत मचल-अक्क महादेवी (ब) हे मेरे जूही के फूल जैसे ईश्वर-अक्क महादेवी	वितान भाग : एक 1. आलो आँधारी (द्वितीय भाग)-बेबी हालदार	1. संक्षिप्त प्रश्नोत्तर UT-5	1. पंचम् इकाई परीक्षा 2. प्रदत्त कार्य / परीक्षा 3. परियोजना कार्य
	जनवरी	<u>गद्य खंड</u> : 1. भारत माता-जवाहर लाल नेहरू 2. आत्मा का ताप - सैयद हैदर रज.। <u>पद्य खंड</u> : 1. सबसे खतरनाक-पास 2. आओ मिलकर बचाएँ - निर्मला पुतुल	1. आलो आँधारी (तृतीय अंतिम भाग) -बेबी हालदार	1. संक्षिप्त प्रश्नोत्तर UT-6	1. षष्ठम् इकाई परीक्षा 2. प्रदत्त कार्य / परीक्षा 3. परियोजना कार्य
	फरवरी	पूर्व वार्षिक परीक्षा को	पूर्व पठितांश	पुनरावृत्ति	पूर्व वार्षिक

		मद्देनजर रखते हुए पूर्व पठितांश की पुनरावृत्ति	की पुनरावृत्ति		परीक्षा / मौखिक परीक्षा
	मार्च	पुनरावृत्ति एवं वार्षिक परीक्षा-2018 TERM-2			
		निर्धारित पुस्तकें : 1. अरोह भाग : एक (गद्य-पद्य संकलन) पाठ्य पुस्तक : एन.सी.ई.आर. टी. द्वारा प्रकाशित। 2. वितान भाग : एक (पूरक पुस्तक) एन.सी.ई.आर.टी. द्वारा प्रकाशित। 3. अभिव्यक्ति एवं माध्यम : एन.सी.ई.आर.टी. द्वारा प्रकाशित।			

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI**SUBJECT: ENGLISH CORE (Code: 301)**

M O N T H	P E R I O D S	UNITS AND TOPICS TO BE COVERED				
		HORNBILL	SNAPSHOTS	NOVEL	GRAMMAR/COMPOSITION	
A P R I L / J U N E	26	1) The Portrait of A Lady 2) A Photograph (Poem)	1) The Summer of the Beautiful White Horse	CHAP-1	1) Short Composition: 50 Words a) Notices b) Posters c) Advertisement 2) Grammar Tenses- Rules to use all Tenses must be given to the students. Practice Exercise must be Provided	Reading Project to be assigned Conversation to Promote Communicative skills Unit-Test-I
J U L Y	26	We're Not Afraid To Die.....If We Can All Be Together	The Address	CHAP-2	1) Unseen Passage for reading comprehension 2) Note – Making and Summary. 3) Grammar i) Determiners ii) Modals iii) Voices	Reading Project (Prepare reviews, commentaries on characters, critical evaluation of the plot, Story, character s etc.) Audio recordings to be played for promoting listening skills Unit-Test-2
A U G U S T	25	1) Discovering Tut –The Saga Continues 2) The Voice of the Rain (Poem)	Ranga's Marriage	CHAP-3	1) Letter Writing i) Business or Official letters (for making enquires , registering complaints) and giving information ,placing orders and sending replies) ii) Letters to the Editor iii) Application for a job. iv) Letter to School or college	Unit Test –3 Submission of Reading Project Description of people Places, funny anecdotes

					admission, school issues, requirements/suitability of courses etc. 2) Grammar Clauses -Kinds of clauses and their uses.	etc.
S E P T E M B E R	24	1) The Ailin Planet : The Green	Albert Einstein at School	CHAP-4	1) Compositions(150-200 words) a) Articles b) Speech c) Report Writing d) Narrative	Dramatization of the Novel Assessment of Listening & Speaking Skills (5+5)
Term Test -1						
N O V E M B E R	31	Father to Son (Poem)	Mother's Day	CHAP-5	Grammatical structure to be tested in meaning full contexts. Item types will include gap filling, sentence re-ordering, dialogue completion and sentence transformation.	Unit-IV Skits on Social issues , Reading Project for Term-II to be assigned.
D E C E M B E R	25	The Browning Version	Birth	CHAP-6	1) Conversation skills 2) Grammar a) Error Correction b) Editing Task c) Re-Ordering of Sentences	Unit Test-V Speeches, Debates, Group Discussion etc. Quiz based on Newspapers
J A N U A R Y	22		The Tale of Melon City	CHAP-7	Conversation skills – Practice for both Listening and Speaking skill	Unit Test –VI Submission of Reading Project II Describe the theme of a book read or a movie seen recently defending characters actions in the story.
FEBRUARY – 23 Assessment of Listening and Speaking Skills (5+5)						
March Term Test –2						

English Core (Code No.-301)
CLASS – XI
(2017-18)

SECTION - A

Reading Comprehension:

45 Periods

● **Very short answer/Short answer and MCQ types questions:**

Two unseen passages (including poems) with a variety of questions including 04 marks for vocabulary such as word formation and inferring meaning. The total range of the 2 passages including a poem or a stanza, should be around 900-1000 words.

550-600 words in length (for note-making and summarising)

350-400 words in length (to test comprehension, interpretation and inference) An unseen poem of about 28-35 lines.

The passages could be of any one of the following types:

- **Factual passages**, e.g., illustrations, description, reports
- **Discursive passages** involving opinion, e.g., argumentative, persuasive
- **Literary passages** e.g. extracts from fiction, biography, autobiography, travelogue, etc. In the case of a poem, the text may be shorter than the prescribed word limit

SECTION B

WRITING SKILLS AND GRAMMAR:

60 Periods

WRITING:

- **Short Answer Questions:** Based on notice/ poster/ advertisement
- **Long Answer Questions:** Letters based on verbal/visual input. It would cover all types of letters
- **Letter types may include:**
 - a. Business or official letters (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies)
 - b. letters to the editor (giving suggestions/opinion on an issue)
 - c. Application for a job with a bio-data or resume
 - d. Letter to the school or college authorities, regarding admissions, school issues, requirements/ suitability of courses, etc.
- **Very Long Answer Question:** Composition in the form of article, speech, report writing or a narrative.

Grammar :

Different grammatical structures in meaningful contexts will be tested. Item types will include gap filling, sentence re-ordering, dialogue completion and sentence transformation. The grammar syllabus will include determiners, tenses, clauses, modals and Change of Voice. These grammar areas will be tested using the following **short answer type and MCQ type questions:**

- Error Correction, editing tasks,
- Re - ordering of Sentences,
- Transformation of sentences

SECTION C

Literature and Long Reading Texts:**70 Periods**

Questions to test comprehension at different levels: literal, inferential and evaluative






1. **Hornbill:** Textbook published by NCERT, New Delhi
2. **Snapshots:** Supplementary Reader published by NCERT,
3. New Delhi The following have been deleted:

Textbooks**Name of the lessons deleted**

Hornbill

1. Landscape of the Soul
2. The Adventure
3. Silk Road
4. The Laburnum Top (Poetry)
5. The Ghat of the only World

Snapshots

-  **Very Short Answer Questions** - Based on an extract from poetry to test reference to context comprehension and appreciation.
-  **Short Answer Questions** - Based on prose, poetry and plays from both the texts.
-  **Long Answer Question** - Based on prescribed texts to test global comprehension and **extrapolation** beyond the texts to bring out the key messages and values.
-  **Long Answer Questions** - Based on theme, plot, incidents or event from the prescribed novels.
-  **Long Answer Question** - Based on understanding appreciation, analysis and interpretation of the characters.

Note: Values-based questions may be given as long answers in the writing or literature sections.

Long Reading Texts (Either one)

With a view to inculcate the habit of reading among the students, CBSE has introduced compulsory reading of a Long Reading Text - Novel in the English Core Course and will be evaluated in the Term-end Assessments. Schools can opt for either one of the texts.

Novels**Author**

1. The Canterville Ghost
2. Up from Slavery

Oscar Wilde (unabridged 1906 Edition)
Booker T. Washington (unabridged 2000 Edition)

Assessment of Listening and Speaking skills**Period: 45**

It is recommended that Listening and speaking skills should be regularly practiced in class.

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT- UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI**SUBJECT: MATHEMATICS**

The Syllabus in the subject of Mathematics has undergone changes from time to time in accordance with growth of the subject and emerging needs of the society. Senior Secondary stage is a launching stage from where the students go either for higher academic education in Mathematics or for professional courses like Engineering, Physical and Bioscience, Commerce or Computer Applications. The present revised syllabus has been designed in accordance with National Curriculum Framework 2005 and as per guidelines given in Focus Group on Teaching of Mathematics 2005 which is to meet the emerging needs of all categories of students. Motivating the topics from real life situations and other subject areas, greater emphasis has been laid on application of various concepts.

Objectives

The broad objectives of teaching Mathematics at senior school stage intend to help the students:

- To acquire knowledge and critical understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles, symbols and mastery of underlying processes and skills.
- To feel the flow of reasons while proving a result or solving a problem.
- To apply the knowledge and skills acquired to solve problems and wherever possible, by more than one method.
- To develop positive attitude to think, analyse and articulate logically.
- To develop interest in the subject by participating in related competitions.
- To acquaint students with different aspects of Mathematics used in daily life.
- To develop an interest in students to study Mathematics as a discipline.
- To develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of gender biases.
- To develop reverence and respect towards great Mathematicians for their contributions to the field of Mathematics.

(UNIT-WISE PERIODS & MARKS DISTRIBUTION AS PER CBSE NORMS)

UNIT	NAME OF THE UNITS	No. of Periods	Marks
I	Sets and Functions	53	29
II	Algebra	66	37
III	Coordinate Geometry	37	13
IV	Calculus	20	06
V	Mathematical Reasoning	08	03
VI	Statistics and Probability	26	12
TOTAL		210	100

*No chapter/unit wise weightage. Care to be taken to cover all the chapters.

MONTH	UNITS / SUB TOPICS	NO. OF PERIODS	REMARKS
APRIL/JULY	UNIT- 1 Sets & functions. (29) marks as per CBSE: SETS: Sets and their representations. Empty set. finite & Infinite sets. Equal sets. Sub sets. Sub sets of a set of real numbers especially intervals (with notations). Power Set. Universal Set, Venn diagrams. Union and Intersection of Sets. Difference of sets. Complement of a set, Properties of Complement Sets. Practical problems on Union and Intersection of two sets.	10	UT –01
	RELATIONS & FUNCTIONS: Ordered pairs, Cartesian Product of Sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the reals with itself (up to $\mathbb{R} \times \mathbb{R} \times \mathbb{R}$). Definition of relation, pictorial diagrams, domain. Co-domain and range of a relation. Function as a special kind of relation from one set to another. Pictorial representation of a function, domain, co-domain & range of a function. Real valued function of the real variable, domain and range of these functions, Types of Functions: constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions with their graphs. Sum, difference, product and quotients of functions.	15	
	TRIGONOMETRIC FUNCTIONS: Positive and negative angles. Measuring angles in radians & in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, for all x. Signs of trigonometric functions. Domain and range of Trigonometric functions, and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ and $\cos y$ and their simple applications. Deducing the identities like following: $\tan(x \pm y)$, $\cot(x \pm y)$, $\sin \alpha \pm \sin \beta$, $\cos \alpha \pm \cos \beta$, . Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\cos 3x$ and $\tan 3x$. General solution of trigonometric equations of the type $\sin \theta = \sin \alpha$, $\cos \theta = \cos \alpha$ and $\tan \theta = \tan \alpha$. Supplementary syllabus : Proofs and Simple Applications of Sine and Cosine Rule.	28	
AUGUST	UNIT- II ALGEBRA (37) MARKS: PRINCIPLE OF MATHEMATICAL INDUCTION Process of the proof by induction, motivating the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications.	08	
	COMPLEX NUMBERS AND QUADRATIC EQUATIONS Need for complex numbers, specifically $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Modulus and Conjugate of a complex number. Argand plane and polar representation of Complex numbers. Statement of Fundamental	14	

AUGUST	Theorem of Algebra, solution of Quadratic equations (with real coefficients) in the Complex number system. Supplementary syllabus : Square root of complex numbers.		
	LINEAR INEQUALITIES Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. Graphical solution of linear inequalities in two variables. Graphical method of finding a solution of system of linear inequalities on two variables.	06	UT-02
SEPTEMBER	PERMUTATION AND COMBINATION Fundamental principle of counting. Factorial 'n' [n!] Permutations and combinations, derivation of formulae for ${}^n P_r$ and ${}^n C_r$ and their connections, simple applications.	14	UT -03
	BINOMIAL THEOREM History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, General and middle term in binomial expansion, simple applications.	10	
Revision And First Term Examination			
OCTOBER/ NOVEMBER	SEQUENCES AND SERIES Sequence and Series. Arithmetic Progression (A.P), arithmetic mean (A.M), Geometric progression (G.P), general term of a G.P, sum of first n terms of a GP, Geometric mean(G.M.), Relation between A.M and G.M. Formulae for the following special sums: $\sum_{k=1}^n k, \quad \sum_{k=1}^n k^2, \quad \sum_{k=1}^n k^3$ Supplementary syllabus : Infinite G.P. and its sum.	14	UT - 04
	UNIT- III COORDINATE GEOMETRY (13) MARKS AS PER CBSE STRAIGHT LINES Brief recall of 2D geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line, Parallel to axes, point- slope form, two point form, intercept form, normal form, General equation of a line. Distance of a point from a line. Supplementary syllabus: Equation of family of lines passing through the point of intersection of two lines, Shifting of Origin.	15	
	CONIC SECTIONS Section of a Cone: circles, ellipse, parabola, Hyperbola, a point, a straight line and pair of intersecting lines as degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of circle. Simple Applications.	14	

DECEMBER	INTRODUCTION TO THREE DIMENSIONAL GEOMETRY Coordinate axes and coordinate planes in three dimensions. Coordinates of a point in a Space. Distance between two points and section formula.	08	UT - 05
	UNIT- IV CALCULUS-(06) MARKS LIMITS AND DERIVATIVES Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative, relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions. Supplementary syllabus : Limits and Derivatives of Exponential and Logarithmic Functions.	20	
	UNIT- V MATHEMATICAL REASONING-(3) MARKS MATHEMATICAL REASONING Mathematically acceptable statements. Connecting words/ phrases – consolidating the understanding of “if and only if (necessary and sufficient) Condition”, “implies”, “and/or”, “implied by”, “and”, “or”, “there exists” and their use through variety of examples related to real life and Mathematics. Validating the statements involving the connecting words – difference between contradiction, converse and contrapositive.	08	
January	UNIT- VI STATISTICS & PROBABILITY-(12) MARKS STATISTICS: Measures of dispersion: Range, mean deviation, variance and standard deviation of ungrouped/grouped data. Analysis of frequency distributions with equal means but different variances.	12	UT - 06
	PROBABILITY: Random experiment, Outcomes, sample spaces (Set representation) Events: Occurrence of events, ‘not’, ‘and’ and ‘or’ events, exhaustive events, mutually exclusive events. Axiomatic (set theoretic) probability, connections with the theories of earlier classes. Probability of an event, probability of ‘not’, ‘and’ & ‘or’ events.	14	
FEBRUARY	REVISION EXAMINATION		
MARCH	TERM- II EXAMINATION		

MATHEMATICS (CODE - 041) QUESTION PAPER DESIGN**CLASS - XI (2017-18)****Time: 3 hours****Max. Marks: 100**

S. No.	Typology of Questions	Very Short Answer (1 marks)	Short Answer (2 marks)	Long Answer I (4 marks)	Long Answer II (6marks)	Marks	% Weightage
1	Remembering- (Knowledge based Simple recall questions, to know specific facts, terms, concepts, principles, or theories, Identify, define, or recite, information)	2	2	2	1	20	20%
2	Understanding- (Comprehension -to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase information)	1	3	4	2	35	35%
3	Application- (Use abstract information in concrete situation, to apply knowledge to new situations, Use given content to interpret a situation, provide an example, or solve a problem)	1	-	3	2	25	25%
4	High Order Thinking Skills- (Analysis & Synthesis- Classify, compare, contrast, or differentiate between different pieces of information, Organize and/or integrate unique pieces of information from a variety of sources)	-	3	1	-	10	10%
5	Evaluation- (Appraise, judge, and/ or justify the value or worth of a decision or outcome, or to predict outcomes based on values)	-	-	1	1	10	10%
	TOTAL	1x4=4	2x8=16	4x11=44	6x6=36	100	100%

VBQ: One of the LA-I type question should be to assess the values inherent in the texts.

QUESTION WISE BREAK UP

Type of Questions	Mark Per Question	Total No. of Questions	Total Marks
VSA	1	4	04
SA	2	8	16
LA- I	4	11	44
LA- II	6	6	36
Total		29	100

1. No chapter wise weightage. Care to be taken to cover all the chapters.
2. Suitable internal variations may be made for generating various templates keeping the overall weightage to different form of questions and typology of questions same.

Choice(s):

There will be no overall choice in the question paper.

However, 30% internal choices will be given in 4 marks and 6 marks questions.

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

PHYSICS (Code No. 042)
COURSE STRUCTURE
Class XI (Theory) (2017-18)

Time: 3 hrs.

Max Marks: 70

UNITS	CONTENTS	No. OF PERIODS	MARKS	
Unit-I	Physical World and Measurements	10	23	
	Chapter-1: Physical World			
	Chapter-2: Units and Measurements			
Unit-II	Kinematics	24		
	Chapter-3: Motion in a Straight Line			
	Chapter-4: Motion in a Plane			
Unit-III	Laws of Motion	14	17	
	Chapter-5: Laws of Motion			
Unit-IV	Work, Energy and Power	12		20
	Chapter-6: Work, Energy and Power			
Unit-V	Motion of system of Particles and Rigid Body	18		
	Chapter-7: System of Particles and Rotational Motion			
Unit-VI	Gravitation	12		
	Chapter-8: Gravitation			
Unit-VII	Properties of Bulk Matter	24		
	Chapter-9: Mechanical Properties of Solids			
	Chapter-10: Mechanical Properties of Fluids			
	Chapter-11: Thermal Properties of Matter			
Unit-VIII	Thermodynamics	12		
	Chapter-12: Thermodynamics			
Unit-IX	Behavior of Perfect Gases and Kinetic Theory of Gases	08		
	Chapter-13: Kinetic Theory			
Unit-X	Oscillations and Waves	26	10	
	Chapter-14: Oscillation			
	Chapter-15: Waves			
	Total	160	70	

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI

SUBJECT: PHYSICS

S.No.	MONTH	NAME OF UNIT TO BE COVERED	TOPICS TO BE COVERED	PERIODS	PRACTICALS AND ACTIVITIES
1	April / June	Physical World And Measurement	Chapter–1: Physical World	3	Experiment –1 &2 Assignment – 1 Demonstration of Activity – 1 Unit test – 1
			Physics-scope and excitement; nature of physical laws;		
			Physics, technology and society.		
			Chapter–2: Units and Measurements	10	
			Need for measurement: Units of measurement;		
			systems of units; SI units, fundamental and derived		
			units. Length, mass and time measurements; accuracy		
			and precision of measuring instruments; errors in		
			measurement; significant figures. Dimensions of		
			physical quantities, dimensional analysis and its		
			applications.		
2	July	Kinematics	Chapter–3: Motion in a Straight Line	10	Experiment – 3 ,4 and 5 Demonstration of Activity – 2 Assignment – 2 Unit test – 2
			Frame of reference, Motion in a straight line: Positiontime		
			graph, speed and velocity. Elementary concepts		
			of differentiation and integration for describing motion,		
			uniform and non uniform motion, average speed and		
			instantaneous velocity, uniformly accelerated motion,		
			velocity - time and position-time graphs. Relations for		
			uniformly accelerated motion (graphical treatment).		
			velocity - time and position-time graphs. Relations for		
			uniformly accelerated motion (graphical treatment).		
			Chapter–4: Motion in a Plane	14	
			Scalar and vector quantities; position and displacement		
			vectors, general vectors and their notations; equality of		
			vectors, multiplication of vectors by a real number;		
			addition and subtraction of vectors, relative velocity,		
			Unit vector; resolution of a vector in a plane,		
			rectangular components, Scalar and Vector product of		
			vectors. Motion in a plane, cases of uniform velocity		
and uniform acceleration-projectile motion, uniform					
circular motion.					

3	Augu st	Laws Of Motion	Chapter–5: Laws of Motion	14	Experiments-6 & 7
			Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.		
			Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.		
			Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).		
4		Work, Energy And Power	Chapter–6: Work, Energy and Power	12	Experiment – 8 &9 Demonstration of Activity – 3 Assignment – 3 Unit test – 3
			Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: conservation of mechanical energy (kinetic and potential energies); nonconservative forces: motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.		
5	Sept.	Motion Of System Of Particles And Rigid Body	Chapter–7: System of Particles and Rotational Motion	14	Demo experiment – 1
			Centre of mass of a two-particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod		
			Moment of a force, torque, angular momentum, laws of conservation of angular momentum and its applications.		
			Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their Applications.		
FIRST TERM EXAMINATION					
	Oct./ Nov.	Gravitation	Chapter–8: Gravitation	12	Project Unit test – 4 Assignment – 4 Experiment – 10 & 11
Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite, Geo-stationary satellites.					
	Nov./ Dec.	Properties Of Bulk Matter[Chapter–9: Mechanical Properties of Solids	12+ 12	Experiment – 12 &
Elastic behaviour, Stress-strain relationship, Hooke's					

		law, Young's modulus, bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy. Chapter-10: Mechanical Properties of Fluids Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise. Chapter-11: Thermal Properties of Matter Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; C_p , C_v - calorimetry; change of state -latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law, Green house effect.		13 Demonstration of Activity – 4 Demo experiment – 2
	Dec.	Thermodynamics Chapter-12: Thermodynamics Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), heat, work and internal energy. First law of thermodynamics, isothermal and adiabatic processes. Second law of thermodynamics: reversible and irreversible processes, Heat engine and refrigerator.	12	Unit test – 5
	Jan.	KINETIC THEORY OF GASES Chapter-13: Kinetic Theory Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number	8	
		OSCILLATIONS AND WAVES Chapter-14: Oscillations Periodic motion - time period, frequency, displacement as a function of time, periodic functions. Simple harmonic motion (S.H.M) and its equation; phase;	12	Unit test – 6 Experiment –14 & 15 Demonstration of Activity – 5 Assignment – 6

		oscillations of a spring-restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period. Free, forced and damped oscillations (qualitative ideas only), resonance.		
Feb.		Chapter-15: Waves Wave motion: Transverse and longitudinal waves, speed of wave motion, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.	12	REVISION
MAR.		TERM TEST-2		

CLASS: XI PHYSICS PRACTICALS**LIST OF EXPERIMENTS:**

Record of at least 15 Experiments [with a minimum of 8 from section A and 7 from section B], to be performed by the students. Record of at least 5 Activities [with a minimum of 2 each from section A and section B], to be performed by the students.

SECTION A:

Experiments Total Periods: 60

(Any 8 experiments out of the following to be performed by the Students)

- To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Calipers' and hence find its volume.
- To measure diameter of a given wire and thickness of a given sheet using screw gauge.
- To determine volume of an irregular lamina using screw gauge.
- To determine radius of curvature of a given spherical surface by a spherometer.
- To determine the mass of two different objects using a beam balance.
- To find the weight of a given body using parallelogram law of vectors
- Using a simple pendulum, plot its L-T² graph and use it to find the effective length of second's pendulum
- To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.
- To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.
- To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and $\sin\theta$.








Activities (for the purpose of demonstration only)

- To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.
- To determine mass of a given body using a metre scale by principle of moments.
- To plot a graph for a given set of data, with proper choice of scales and error bars.
- To measure the force of limiting friction for rolling of a roller on a horizontal plane.
- To study the variation in range of a projectile with angle of projection.
- To study the conservation of energy of a ball rolling down on an inclined plane (using a double inclined plane).
- To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.

SECTION-B:**(Any 7 experiments out of the following to be performed by the Students)**

1. To determine Young's modulus of elasticity of the material of a given wire.
2. To find the force constant of a helical spring by plotting a graph between load and extension.
3. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and $1/V$.
4. To determine the surface tension of water by capillary rise method.
5. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.
6. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.
7. To determine specific heat capacity of a given solid by method of mixtures.
8. To study the relation between frequency and length of a given wire under constant tension using sonometer.
9. To study the relation between the length of a given wire and tension for constant frequency using sonometer.
10. To find the speed of sound in air at room temperature using a resonance tube

Activities (for the purpose of demonstration only):

-  To observe change of state and plot a cooling curve for molten wax.
-  To observe and explain the effect of heating on a bi-metallic strip.
-  To note the change in level of liquid in a container on heating and interpret the observations.
-  To study the effect of detergent on surface tension of water by observing capillary rise.
-  To study the factors affecting the rate of loss of heat of a liquid.
-  To study the effect of load on depression of a suitably clamped metre scale loaded at (i) its end (ii) in the middle.
-  To observe the decrease in pressure with increase in velocity of a fluid.

SUGGESTED LIST OF DEMONSTRATION EXPERIMENTS**Report of at least two demonstration experiments, to be carried out by the teacher:**

11. To demonstrate that a centripetal force is necessary for moving a body with a uniform speed along a circle, and that the magnitude of this force increases with increase in angular speed.
12. To demonstrate inter-conversion of potential and kinetic energy.
13. To demonstrate conservation of linear momentum.
14. To demonstrate conservation of angular momentum.
15. To demonstrate the effect of angle of launch on range of a projectile.
16. To demonstrate that the moment of inertia of a rod changes with the change of position of a pair of equal weights attached to the rod.
17. To study variation of volume of a gas with its pressure at constant temperature using a doctors' syringe.
18. To demonstrate Bernoulli's theorem with simple illustrations
19. To demonstrate that heat capacities of equal masses of different materials are different.
20. To demonstrate free oscillations of different vibrating systems.
21. To demonstrate resonance with a set of coupled pendulums.
22. To demonstrate longitudinal and transverse waves.
23. To demonstrate the phenomenon of beats, due to superposition of waves produced by two sources of sound of slightly different frequencies
24. To demonstrate resonance using an open pipe.
25. To demonstrate the direction of torque.
26. To demonstrate the law of moments.

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI

SUBJECT: CHEMISTRY

Month	Units to be covered	Sub units to be covered	Periods & Marks	Practicals to be completed
April/ June	Unit 1: Some Basic Concepts of Chemistry (5 marks)	General Introduction: Importance and scope of chemistry. Historical approach to particulate nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.	14 Periods	Basic Laboratory Techniques (04 Periods) 1 Cutting glass tube and glass rod 2 Bending a glass tube 3 Drawing out a glass jet 4 Boring a cork
UT-1	Unit 2: Structure of Atom	Atomic number, isotopes and isobars, Thomson's model and its limitations, Rutherford's model and its limitation, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shape of s, p and d orbitals, Rules for filling electrons in orbitals – Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half filled and completely filled orbitals.	16 Periods	Characterization and Purification of Chemical Substances (04 Periods) Crystallization of an impure sample of any one of the following: alum, copper sulphate, benzoic acid.
	Unit 3: Classification of elements and periodicity in properties (4 marks)	Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements –atomic radii, ionic radii, Ionization enthalpy, electron gain enthalpy, electro negativity, valence	8 Periods	Determination of melting point of an organic compound. Determination of Boiling point of an organic compound.
July 2017	Unit 4 : Chemical bonding and molecular structure (5 marks)	Valence electrons, ionic bond, covalent bond: bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s,p and d orbital and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules	8 Periods	• Use of Chemical Balance Preparation of standard solution of Oxalic Acid Determination of melting point of an organic compound.
UT-2	Unit 5: States of matter; Gases and Liquids (4 marks)	(Qualitative idea only), hydrogen bond. Three states of matter, intermolecular interactions, types of bonding, melting and boiling points, role of gas laws in elucidating the concept of the molecule, Boyle's law, Charles law, Gay Lussac's law, Avogadro's law, ideal behaviour, empirical derivation of gas equation, Avogadro's number,	14 Periods	Determination of Boiling point of an organic compound.

		ideal gas equation. Deviation from ideal behaviour. Liquid State- vapour pressure, viscosity and surface tension(qualitative idea only)		• Use of Chemical Balance
August	UT-3	Unit: 6 Thermodynamics (6 marks)	16 Periods	Preparation of standard solution of Oxalic Acid. Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid. Preparation of standard solution of sodium carbonate. • Determination of strength of a given solution of hydrochloric acid by titrating it against standard sodium carbonate solution
September 2017	Unit Equilibrium :7	Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium - Le Chatelier's principle, ionic equilibrium - ionization of acids and bases, strong and weak electrolytes, degree of ionization, concept of pH, hydrolysis of salts (elementary idea), buffer solution, solubility product, common ion effect (With illustrative examples). This activity which is present in class XII practical since it is correlated with theory it is suggested. i) Enthalpy of dissolutions of copper sulphate or potassium nitrate. ii) Enthalpy of neutralization of strong acid (HCl) and strong base (NaOH) iii) Determination of enthalpy change during interaction (hydrogen bond formation) between acetone and chloroform.) Hinderson Equations TERM TEST -1	16 Periods	Chemical Equilibrium (2 Periods) One of the following experiments: (a) Study the shift in equilibrium between ferric ion and thiocyanate ion by increasing / decreasing the concentration of either ion. (b) Study the shift in equilibrium between $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$ and chloride ion by changing the concentration of either of the ions.

	Unit 8: Redox Reactions (3 marks)	Concept of oxidation and reduction, Redox reactions, oxidation number, balancing redox reactions, application of redox reactions.	6 Periods	Any one of the following experiments: Experiments based on pH (04 Periods)
October / November 2017	Unit 9: Hydrogen (3 Marks)	Position of hydrogen in periodic table, occurrence, isotopes, preparation, properties and uses of hydrogen, physical and chemical properties of water, heavy water, hydrogen peroxide - preparation, properties and structure, hydrogen as a fuel.	8 periods	Determination of pH of some solutions obtained from fruit juices, varied concentrations of acids, bases and salts using pH paper or universal indicator.
	Unit 10: s-Block Elements (Alkali & Alkaline Earth Metals) (5 Marks)	Group 1 and Group 2 Elements General introduction, electronic configuration, occurrence, anomalous properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii). Trends in chemical reactivity with oxygen, water, hydrogen and halogens, uses. Preparation and Properties of Some Important Compounds: Sodium chloride, sodium hydroxide and biological importance of sodium and potassium. Calcium oxide and Calcium carbonate and industrial uses of lime and limestone, biological importance of Magnesium and Calcium. General Introduction to p -Block Elements	12 periods	a) Comparing the pH of solutions of strong and weak acids of same concentration b) Study the PH change by common-ion in case of weak acids and weak bases.
UT -4 December	Unit 11: some p-Block Elements (5 marks)	Group 13 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous properties of first element of the group, Boron - physical and chemical properties, some important compounds, boron hydrides, Aluminium: Reactions with acids and alkalies, uses. Group 14 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first elements of the group, Carbon -catenation, allotropic forms, physical and chemical properties. Important compounds of silicon and their uses: silicates and zeolites.	14 periods	Salt Analysis (16 periods) (Insoluble salts should be avoided; Sufficient number of single salts should be given for analysis so that at least one cation from each group and important anions are covered)
	Unit 12: Organic Chemistry -Some Basic Principles and Technique (7 marks)	General introduction, methods of qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles	16 periods	Determination of Nitrogen, Sulphur, Chlorine in organic compounds

<p>UT -5</p> <p>January</p>	<p>Unit 13: Hydrocarbons (8 marks)</p>	<p>Classification of Hydrocarbons Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis. Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markonikov's addition and peroxide effect), ozonolysis, mechanism of electrophilic addition. Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction with - hydrogen, Halogens, hydrogen halides and water. Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical reactions: nitration sulphonation, halogenation, Friedel Craft's alkylation and acylation, mechanism of electrophilic substitution. Directive influence of a substituted in mono- substituted benzene, carcinogenicity and toxicity.</p>	<p>16 periods</p>	
<p>UT6</p>	<p>Unit 14: Environmental Chemistry (3 Marks)</p>	<p>Environmental pollution - air, water and soil pollution, chemical reactions in atmosphere, smog, major atmospheric pollutions, acid rain, ozone and its reactions, depletion of ozone layer and its effect, greenhouse effect and global warming- pollution due to industrial wastes, green chemistry as an alternative tool for reducing pollution, strategies for control of environment pollution.</p>	<p>8 periods</p>	
FEBRUARY 2018-REVISION EXAMINATION				
MARCH 2018- TERM TEST 2				

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: -XI
Time: 3 Hours

SUBJECT: BIOLOGY (044)
Max. Marks: 70 (Theory) + 30 (Practical)

THEORY

UNIT	TITLE	NO. OF PERIODS	MARKS
I	Diversity of Living Organisms	23	07
II	Structural Organisation in Plants and Animals	22	12
III	Cell: Structure and Function	35	15
IV	Plant Physiology	40	18
V	Human Physiology	40	18
	TOTAL	160	70

XI BIOLOGY PRACTICALS

Time Allowed: Three hours
Max. Marks: 30

Evaluation Scheme	
One Major Experiment Part A (Expt No. 1, 3, 7, 8)	5 MARKS
One Minor Experiment Part A (Expt No. 6, 9, 10, 11, 12, 13)	4 MARKS
Slide Preparation Part A (Expt No. 2, 4, 5)	5 MARKS
Spotting Part B	7 MARKS
Practical Record + Viva Voce	4 MARKS
Project Record + Viva Voce	5 MARKS
TOTAL	30 MARKS

MONTH	UNIT	CHAPTER / TOPIC	PERIODS	EXPERIMENTS	SPOTTING
APRIL/JUNE -2017	Diversity of Living Organisms	<p>The Living World- What is living? Biodiversity; Taxonomical hierarchy; binomial nomenclature tools for study of taxonomy-museums, zoological parks, herbaria, botanical gardens etc..</p> <p><u>Biological Classification</u> Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups: Lichens, Viruses and Viroids.</p> <p><u>Plant Kingdom</u> Salient features and classification of plants into major groups - Algae, Bryophyta, Pteridophyta, Gymnospermae and Angiospermae (three to five salient and distinguishing features and at least two examples of each category); Angiosperms - classification upto class, characteristic features and examples</p> <p><u>Animal Kingdom</u> Salient features and classification of animals <u>Continued</u></p>	<p>23</p> <p>UT-1</p>		<p>1.Study of the parts of compound Microscope</p> <p>2. Study of the specimens and identifications with Reasons –Bacteria oscillatoria, spirogyra, rhizopus, mushrooms, yeast, liverwort, moss, fern, pine, one Monocotyledon & one dicotyledonous plant and one lichen.</p> <p>3. Study of specimens identifications with reasons-Amoeba, Hydra, Liver fluke, Ascaris, Leech, earthworm, prawn, silk worm, honey bee, snail, star fish, shark, Rohu, frog, lizard, pigeon and Rabbit.</p>

JULY 2017	Structural organization in plants and animals	<p><u>Animal Kingdom</u> Non-chordates up to phyla level and chordates up to class level (three to five salient features and at least two examples of each category). (No live animals or specimen should be displayed.)</p> <p><u>Morphology of Flowering Plants</u> Morphology and modifications: Tissues</p> <p><u>Anatomy of Flowering Plants</u> Anatomy and functions of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed (to be dealt along with the relevant experiment of the Practical Syllabus).</p>	<p>22</p> <p>UT-2</p>	<p>1. Study and describe three common flowering plants (solanaceae, fabaceae and liliaceae). Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location.</p> <p>2. Preparation and study of T.S. of dicot and monocot roots and stems (primary).</p>	<p>4. Study of different modifications in roots, stems and leaves.</p> <p>5. Study and identification of different types of inflorescence (cymose and racemose).</p> <p>6. Study of tissues and diversity in shapes and sizes of plant and animal cells (palisade cells, guard cells, parenchyma, collenchyma, sclerenchyma, xylem, phloem, squamous epithelium, muscle fibers and mammalian blood smear) through temporary/permanent slides.</p>
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AUGUST 2017	Cell structure and function	<p><u>Structural Organisation in Animals-</u> Animal tissues: Morphology, anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach). (a brief account only)</p> <p><u>Cell-The Unit of Life</u> Cell theory and cell as the basic unit of life: Structure of prokaryotic and eukaryotic cells Plant cell and animal cell cell organelles - structure and function;</p> <p><u>Biomolecules</u> Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids, enzymes, types, properties, enzyme action.</p>	<p>35</p> <p>UT-3</p>	<p>3. Study of osmosis by potato osmometer</p> <p>4. Study of distribution of stomata in the upper and lower surface of leaves.</p> <p>5. Test for the presence of sugar, starch, proteins and fats. detection in suitable plant and animal materials</p>	<p>7. Study of external morphology of cockroach through virtual images/ models.</p>
SEPTEMBER 2017	Cell structure and function continued	<p><u>Cell Cycle and Cell Division</u> Cell cycle, mitosis, meiosis and their significance.</p>	<p>TT-1</p>		<p>8. Study of mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.</p>

OCTOBER / NOVEMBER 2017	<p>Plant physiology</p> <p><u>PLANT PHYSIOLOGY</u> <u>Transport in Plants</u> Movement of water, gases and nutrients; cell to cell transport, Diffusion, facilitated diffusion, active transport; plant-water relations, Imbibition, water potential, osmosis, plasmolysis; long distance transport of water - Absorption, apoplast, symplast, transpiration pull, root pressure and guttation; transpiration, opening and closing of stomata; Uptake and translocation of mineral nutrients - Transport of food, phloem transport, mass flow hypothesis; diffusion of gases. <u>Mineral Nutrition</u> Essential minerals, macro- and micronutrients and their role; deficiency symptoms; mineral toxicity; elementary idea of hydroponics as a method to study mineral nutrition; nitrogen metabolism, nitrogen cycle, biological nitrogen fixation. <u>Photosynthesis in Higher Plants</u> Photosynthesis as a mean of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C₃ and C₄ pathways; factors affecting photosynthesis.</p>	<p>40</p> <p>UT-4</p>	<p>6. Study of plasmolysis in epidermal peels (e.g. Rhoeo leaves).</p> <p>7. Comparative study of the rates of transpiration in the upper and lower surface of leaves.</p> <p>8. Separation of plant pigments through paper chromatography.</p>	<p>9. Study of imbibition in seeds/raisins.</p>
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DECEMBER 2017	Plant Physiology	<p><u>Respiration in Plants</u> Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient.</p> <p><u>Plant - Growth and Development</u> Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA; seed dormancy; vernalisation; photoperiodism.</p> <p><u>HUMAN PHYSIOLOGY</u></p> <p><u>Digestion and Absorption</u> Alimentary canal and digestive glands, role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats;</p>	<p>UT-5</p> <p>40</p>	<p>9. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.</p>	<p>10. Observation and comments on</p> <p>a) Anaerobic respiration</p> <p>b) Phototropism</p> <p>c) Effect of apical bud removal</p> <p>d) Suction due to transpiration.</p>
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JANUARY 2018	<p>Human Physiology</p> <p>Calorific values of proteins, carbohydrates and fats; egestion; disorders - PEM, indigestion, constipation, vomiting, jaundice, diarrhoea.</p> <p><u>Breathing and Exchange of Gases</u> Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.</p> <p><u>Body Fluids and Circulation</u> Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure.</p> <p><u>Excretory Products and Their Elimination</u> Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system - structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uraemia, renal failure, calculi, nephritis; dialysis and artificial kidney.</p>	UT-6	<p>10. To test the presence of Urea in urine</p> <p>11. To test the presence of sugar in urine.</p> <p>12. To test the presence of albumin in urine.</p> <p>13. To test the presence of bile salts in urine.</p>	
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FEBRUARY 2018	Human Physiology	<p><u>Locomotion and Movement</u> Types of movement - ciliary, flagellar, muscular; skeletal muscle- contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal system - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.</p> <p><u>Neural Control and Coordination</u> Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse; reflex action; sensory perception; sense organs; elementary structure and functions of eye and ear.</p> <p><u>Chemical Coordination and Integration</u> Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, Note: Diseases related to all the human physiological systems to be taught in brief.</p>	REVISION TEST		11. Study of human skeleton and different types of joints with the help of virtual images/models only.
MARCH		ANNUAL EXAM	TT-2		

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI**ACCOUNTANCY (Code No. 055)****Theory:- 90 Marks**

Units		Periods	Marks
Part A: Financial Accounting-I			
Unit 1	Theoretical Framework	25	15
Unit 2	Accounting Process	95	35
		120	50
Part B: Financial Accounting-II			
Unit 3.	Financial Statements of Sole Proprietorship From Complete and Incomplete Records	40	15
Unit 4	Financial Statements of Not-for-Profit Organisations	30	15
Unit 5.	Computers in Accounting	20	10
		90	40
Part C: Project Work		30	10

MONTH	UNIT	NAME OF THE UNIT	periods	marks
		PART –A FINANCIAL ACCOUNTING-I	120	50
April/June	Unit-1	Introduction to Accounting Accounting- Concept, objectives, advantages and limitations, types of accounting information; user of accounting information and their needs. Basic accounting terms: business transaction, account, capital, drawings, liability (non- current and current) Fixed asset (tangible & intangible) receipts(capital & revenue),expenditure (capital, revenue & deferred), expense, income, profits, gains and losses, purchases,purchases returns, sales, sales returns,goods,stock,inventory, trade receivables(debtors, bills receivable), trade payables(creditors, bills payable), cost, vouchers, discount - trade and cash. Theory Base of Accounting Fundamental accounting assumptions:- going concern, consistency, and accrual. Accounting principles: accounting entity, money measurement, accounting period, full disclosure, materiality, prudence, cost concept, matching concept and dual aspect Accounting standards: concept & objective. IFRS (International Financial Reporting Standards).Concept and objectives Double entry system of accounting Bases of accounting - cash basis and accrual basis.	11	15
	UT-I		14	
JULY	UNIT-2	UT-2	23	35

[illegible]

November	Unit 3	Financial Statements of Sole proprietorship : From Complete and Incomplete Records Financial Statements: objective and importance. ☐☐Trading and profit and loss account: gross profit, operating profit and net profit. ☐☐Balance Sheet: need, grouping, marshalling of assets and liabilities. ☐☐Adjustments in preparation of financial statements: with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, abnormal loss, goods taken for personal use and goods distributed as free samples. manager's commission ☐☐Preparation of Trading and Profit and Loss Account and Balance Sheet of sole proprietorship. ☐☐Incomplete records: use and limitations.☐ ☐☐Ascertainment of profit/loss by statement of affairs method.	40	15
December	Unit 4	Financial Statements of not-for-Profit Organizations ☐☐Not-for-profit organizations: concept. ☐☐Receipts and payment account: features and preparation ☐☐Income and expenditure account: features. preparation of income and expenditure account and balance sheet from the given receipt and payment account with additional information. Scope: (i) Adjustments in a question should not exceed 3 or 4 in number and restricted to subscriptions, consumption of consumables, and sale of assets/ old material. (ii) Entrance/ admission fees and general donations are to be treated as revenue receipts. (iii) Trading Account of incidental activities is not to be prepared.	30	15
January 2018	Unit 5	Computers in Accounting ☐☐Introduction to Computer and Accounting Information System {AIS}: Introduction to computers (Elements, Capabilities, Limitations of Computer system), ☐☐Introduction to operating software, utility software and application software. Introduction to Accounting nformation System (AIS), as a part of MIS ☐☐Automation of Accounting Process. Meaning ☐☐Stages in automation (a) Accounting process in a computerised environment ,Comparison between manual accounting process and computerized accounting process. (b) Sourcing of accounting Software (Kinds of software: readymade software; customised software and tailor made software; Generic Considerations before sourcing accounting software) (c)Creation of Account groups and hierarchy (d) Generation of reports -Trial balance, Profit and Loss account and Balance Sheet. Scope: ☐☐The scope of the unit is to understand accounting as an	20	10

		information system for the generation of accounting information and preparation of accounting reports. □□It is presumed that the working knowledge of any appropriate accounting software will be given to the students to help them learn basic accounting operations on computers.)		
February 2018		Part C : Project Work (Any One) 1. Collection of Source Documents, Preparation of Vouchers, Recording of Transactions with the help of vouchers. 2. Preparation of Bank Reconciliation Statement with the help of given Cash book and Passbook with twenty to twenty five transactions. 3. Comprehensive project of any sole proprietorship business starting with journal entries , posting them to the ledger and preparation of Trial balance. The students will then prepare Trading and Profit and Loss Account an Balance Sheet on the basis of the prepared trial balance. Expenses, incomes and profit (loss) are to be depicted using pie chart / bar diagram. REVISION EXAM	30	10
March		TERM TEST -II		

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI**BUSINESS STUDIES-(Code No.054)****THEORY PAPER - 100 Marks 03 Hours**

Units		Periods	Marks
Part A	Foundations of Business		
1	Nature and Purpose of Business	22	20
2	Forms of Business Organisations	26	
3	Public, Private and Global Enterprises	22	18
4	Business Services	22	
5	Emerging Modes of Business	12	12
6	Social Responsibility of Business and Business Ethics	16	
	TOTAL	120	50
Part B	Finance and Trade		
7	Sources of Business Finance	30	20
8	Small Business	16	
9	Internal Trade	30	20
1	International Business	14	
1	Project Work	30	10
	TOTAL	120	50

MONTH	UNIT	NAME OF UNIT	MARKS	PERIODS
		Part A: Foundation of Business		
April/ June	1	Nature and Purpose of Business <ul style="list-style-type: none"> • Business -Concept • Concept includes meaning and features • Business, profession and employment-Concept • Objectives of business • Classification of business activities - Industry and Commerce • Industry-types: primary, secondary, tertiary-Meaning and subgroups • Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) - meaning • Business risk-Concept • After going through this unit, the student/ learner would be able to: • Understand the concept of business with special reference to economic and non economic activities. • Discuss the characteristics of business. • Understand the concept of business, profession and employment. • Differentiate between business, profession and Employment. • Appreciate the economic and social objectives of business. • Examine the role of profit in business. • Understand the broad categories of business activities- industry and commerce. • Describe the various types of industries. • Discuss the meaning of commerce, trade and auxiliaries to trade. • Discuss the meaning of different types of trade and auxiliaries to trade. • Examine the role of commerce-trade and auxiliaries to trade. Understand the concept of risk as a special characteristic of business and Examine the nature and causes of business risks 	08	22
UT-1				

July UT-2	2	Unit 2: Forms of Business organizations <ul style="list-style-type: none"> • Sole Proprietorship-Concept, merits and limitations. • Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners • Hindu Undivided Family Business: Concept • Cooperative Societies-Concept, types, merits, and limitations. • Company-Concept, merits and limitations; Types: Private and Public-Concept • Formation of company-stages, important documents to be used in formation of a company • Choice of form of business organization • After going through this unit, the student/ learner would be able to: • List the different forms of business organisations and understand their meaning. • Identify and explain the concept, merits and limitations of Sole Proprietorship. • Identify and explain the concept, merits and limitations of a Partnership firm. • Understand the types of partnership on the basis of duration and on the basis of liability. • Define limited liability partnership. • State the need for registration of a partnership firm. • Discuss types of partners –active, sleeping, secret, nominal and partner by estoppel. • Understand the concept of Hindu Undivided Family Business. • Identify and explain the concept, merits and limitations of Cooperative Societies. • Understand the concept of consumers, producers, marketing, farmers, credit and housing co-operatives. • Identify and explain the concept, merits and limitations of private and public companies. • Understand the meaning of one person company. • Distinguish between a private company and a public company. • Highlight the stages in the formation of a company. • Discuss the important documents used in the various stages in the formation of a company. 	12	26

		<ul style="list-style-type: none"> • Distinguish between the various forms of business Organizations. • Explain the factors that influence the choice of a suitable form of business organization. 		
July	Unit 3	Unit 3: Public, Private and Global Enterprises <ul style="list-style-type: none"> • Public sector and private sector enterprises –Concept. • Forms of public sector enterprises: Departmental Undertakings, Statutory Corporations and Government Company. • Changing role of public sector enterprises Global enterprises, Joint ventures, Public private Partnership – concept. <p>After going through this unit, the student/ learner would be able to:</p> <ul style="list-style-type: none"> • Develop an understanding of Public sector and private sector Enterprises • Identify and explain the features, merits and limitations of different forms of public sector enterprises • Discuss the change in the role of public sector in an Economy. • Develop an understanding of global enterprises, joint ventures and public private partnership by studying their meaning and features. 	08	22

August/	Unit 4	Unit 4: Business Services <ul style="list-style-type: none"> • Business services and its types - Meaning. • Banking: Types of bank accounts- savings, current, recurring, fixed deposit and multiple option deposit account. • Banking services with particular reference to Bank Draft, Banker's Cheque, Real Time Gross Settlement, National Electronic Funds Transfer, Bank Overdraft, Cash credit and e-banking meaning. • Insurance-: Principles, Types –life, health, fire and marine insurance –concept. • Postal Service-Mail, Registered Post, Parcel, Speed Post, Courier-meaning. • Telecom Services-Cellular Mobile services, Radio Paging services, Fixed line services, Castle services, VSAT services, DTH services—meaning. • Understand the meaning of business services. • Discuss the meaning of types of Business service Banking, insurance, communication services, transportation, warehousing. • Develop an understanding of difference types of bank account. • Develop and understanding of the difference services provided by banks-Bank Draft, Banker's Cheque, Real Time Gross Settlement, National electronic Funds Transfer, Bank Overdraft, Cash credit and e-banking meaning. • Recall the concept of insurance • Understand Utmost Good Faith, Insurable Interest, Indemnity, Contribution, Doctrine of Subrogation and Causa Proxima as principles of insurance • Discuss the meaning of different types of insurance-life, health, fire, marine insurance. • Understand the utility of different postal and telecom services <ul style="list-style-type: none"> a) Postal services b) Telecom services 	10	22
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August UT-3	Unit 5	Unit 5: Emerging Modes of Business <ul style="list-style-type: none"> • E-business-scope and benefits, resources required for successful e-business implementation, online transaction, payment mechanism, security and safety of business transactions. • Outsourcing-Concept: Business Process Outsourcing (BPO) and Knowledge Process Outsourcing (KPO)- Concept, need and scope. • Smart cards and ATM's meaning and utility. • After going through this unit, the student/ learner would be able to: <ul style="list-style-type: none"> • Give the meaning of e-business. • Discuss the scope of e-business. • Appreciate the benefits of e-business • Distinguish e-business from traditional business. • Explain the process of online buying and selling as a part of e-business. • Examine the major security concerns of electronic mode of doing business. • Understand the methods of secure and safe business transactions. • Identify the resources required for implementation of a successful e-business. • Understand the concept of outsourcing. • Examine the scope of outsourcing, appreciate the need of outsourcing. • Discuss the meaning of Business Process Outsourcing and Knowledge Process Outsourcing. • State the meaning of Smart cards and ATM's. • Appreciate the utility of Smart cards and ATM's. 	06	12
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Sept.	Unit 6	Unit 6: Social Responsibility of Business and Business Ethics <ul style="list-style-type: none"> • Concept of social responsibility. • Case of social responsibility. • Responsibility towards owners, investors, consumers, employees, government and community. • Environment protection and business-Meaning and role. • Business Ethics-Concept and Elements. <ul style="list-style-type: none"> • After going through this unit, the student/ learner would be able to: • State the concept of social responsibility. • Examine the case for social responsibility. • Identify the social responsibility towards different interest groups. • Appreciate the role of business in environment protection. • State the concept of business ethics. • Describe the elements of business ethics. 	06	16
		TT-1		
		Part B: Finance and Trade	50	120
Nov.	Unit 7	Unit 7: Sources of Business Finance <ul style="list-style-type: none"> • Concept of business finance. • Owners' funds- equity shares, preferences share, Global Depository receipt (GDR), American Depository Receipt (ADR), International Depository Receipt (IDR) and retained earnings. • Equity shares, preference shares, retained earnings-meaning, merits and limitations. Global Depository Receipts (GDR), American Depository Receipts (ADR), International Depository Receipts (IDR) - Meaning. • Borrowed funds: debentures and bonds, loan from financial institution, loans from commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD). <ul style="list-style-type: none"> • After going through this unit, the student/ learner would be able to: • State the meaning, nature and importance of business finance. • Classify the various sources of funds into owners' funds and borrowed funds. • State the meaning of owners' funds. • Explain the meaning, merits and limitations of equity shares, preference shares and retained earnings. 	14	30

		<ul style="list-style-type: none"> Understand the meaning of Global Depository receipts, American Depository Receipts and International Depository Receipts. State the meaning of borrowed funds. Discuss the meaning, merits and limitations of debentures, bonds, loans from financial institutions, trade credit and inter corporate deposits. Distinguish between owners' funds and borrowed funds. 		
Nov. UT-4	Unit 8	Unit 8: Small Business <ul style="list-style-type: none"> Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act). Role of small business in India with special reference to rural areas. Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas. After going through this unit, the student/ learner would be able to: Understand the meaning of small business. Discuss the role of small business in India. Appreciate the various Government schemes and agencies for development of small scale industries. NSIC and DIC with special reference to rural, backward area. 	06	16
Dec. UT-5	Unit 9	Unit 9: Internal Trade <ul style="list-style-type: none"> Internal trade - meaning and types services rendered by a wholesaler and a retailer. Types of retail-trade-Itinerant and small scale fixed shops retailers. Large scale retailers-Departmental stores, chain stores, mail order business – concept. Concept of automatic vending machine. Chambers of Commerce and Industry: Basic functions. Main documents used in internal trade: Performa invoice, invoice, debit note, credit note. Lorry receipt (LR) and Railways Receipt (RR). Terms of Trade: Cash on Delivery (COD), Free on Board (FOB), Cost, Insurance and Freight (CIF), Errors and Omissions Excepted (E&OE). After going through this unit, the student/ learner would be able to: State the meaning and types of internal trade. Appreciate the services of wholesalers and retailers. 	12	30

		<ul style="list-style-type: none"> • Explain the different types of retail trade. • Highlight the distinctive features of departmental stores, chain stores and mail order business. • State the concept of automatic vending machine. • Discuss the role of Chambers of Commerce and Industry in the promotion of internal trade. • Describe the main documents used in internal trade. • Develop an understanding of the various terms used in internal trade. 		
Jan. 2018 UT-6	Unit 10	Unit 10: International Trade <ul style="list-style-type: none"> • International trade – concept • International trade: Advantages and disadvantages of international trade. • Export trade- Meaning, objectives and procedure of Export Trade. • Import Trade- Meaning, objectives, purpose and procedure. • Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt(DA/DP), specimen of the documents, importance. • World Trade Organization (WTO) meaning and objectives. • <i>After going through this unit, the student/ learner would be able to:</i> <ul style="list-style-type: none"> • Understand the concept of international trade. • Distinguish between internal trade and external trade. • Describe the scope of international trade to the nation and business firms. • Discuss the disadvantages of international trade. • State the meaning and objectives of export trade. • Explain the important steps involved in executing export trade. • State the meaning and objectives of import trade. • Discuss the important steps involved in executing import trade. • Develop an understanding of the various documents used in international trade. • Identify the specimen of the various documents used in international trade. • Highlight the importance of the documents needed in connection with international trade transactions. • State the meaning of World Trade Organization. • Discuss the objectives of World Trade Organization in promoting international trade. 	08	14
Jan.		Unit 11: Project Work	10	30

Feb.		REVISION TEST		
March		TERM TEST – 2		
		TOTAL	50	120

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI**SUBJECT: ECONOMICS**

UNITS	CONTENTS	MARKS	PERIODS
Part A	Statistics for Economics		
	1. Introduction	13	07
	2. Collection, Organisation and Presentation of Data	13	27
	3. Statistical Tools and Interpretation	27	66
		40	100
Part B	Indian Economic Development		
	4. Development Experience (1947-90) and Economic Reforms since 1991	12	28
	5. Current Challenges facing Indian Economy	20	60
	6. Development Experience of India - A Comparison with Neighbours	08	12
	Theory Paper (40+40 = 80 Marks)	40	100
Part C	Project Work	20	20

MONTH	NO. OF DAYS	PERIODS AVAILABLE	WEIGHTAGE	UNITS/SUBUNITS/CHAPTERS TO BE COVERED
APRIL/JUNE 2017 UT-1	23	34	13 marks for unit-1 and 2	<p>Part A: Statistics for Economics</p> <p><u>Unit 1: Introduction</u> What is Economics? Meaning, scope, functions and importance of statistics in Economics.</p> <p><u>Unit 2: Collection, Organisation and Presentation of data</u> Collection of data - sources of data - primary and secondary; how basic data is collected, with concepts of Sampling; Sampling and Non-Sampling errors; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.</p>
JULY 2017 UT-2	23	36	27 marks for unit-3	<p>Organisation of Data: Meaning and types of variables; Frequency Distribution. Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and ogive) and (iii) Arithmetic line graphs (time series graph).</p> <p><u>Unit 3 : Statistical Tools and Interpretation:</u> Measures of Central Tendency- (i) Mean (simple and weighted), (ii) Median and Mode.</p>
AUGUST 2017 UT-3	24	36		<p>Measures of Dispersion – Absolute dispersion – (i) Range, (ii) Quartile Deviation, (iii) Mean Deviation and (iv) Standard Deviation); Relative dispersion – (i) Co-efficient of Range, (ii) Co-efficient of Quartile-deviation, (iii) Co-efficient of Mean-deviation, (iv) Co-efficient of Variation Lorenz Curve: Meaning, construction and its application.</p>
SEPTEMBER 2017	15	22		<p>Correlation – Meaning and properties, Scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation. Introduction to Index Numbers – Meaning, Types – (i) Wholesale Price Index, (ii) Consumer Price Index and (iii) Index of Industrial Production, Uses of index numbers; Inflation and index numbers.</p>
TERM 1 EXAMS				

OCTOBER/ NOVEMBER 2017 UT-4	25	36	12 marks for unit-4	<p>Part B: Indian Economic Development Unit 4: Development Experience (1947-90) and Economic Reforms since 1991: (i) A brief introduction of the state of Indian economy on the eve of independence. (ii) Common goals of Five Year Plans. Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy, etc.), industry (industrial licensing, etc.) and foreign trade. (iii) Economic Reforms since 1991: Need and main features - liberalisation, globalisation and privatisation; An appraisal of LPG policies. Unit 5: Current challenges facing Indian Economy Poverty- absolute and relative; Main programmes for poverty alleviation: A critical assessment;</p>
DECEMBER 2017 UT-5	17	24	20 marks for unit-5	<p>Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India Employment: Formal and informal, growth and other issues: Problems and policies. Infrastructure: Meaning and Types: Case Studies: Energy and Health: Problems and Policies- A critical assessment;</p>
JANUARY 2018 UT-6	11	16	8 marks for unit-6	<p>Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming. Unit 6 :Development Experience of India: A comparison with neighbours; India and Pakistan, India and China Issues: growth, population, sectoral development and other developmental indicators. Part C: Developing Projects in Economics The students may be encouraged to develop project, as per the suggested project guidelines. Case studies of a few organisations / outlets may also be encouraged. Under this the students will do only ONE comprehensive project using concepts from both part A and part B. Some of the examples of the projects are as follows (they are not mandatory but suggestive): (i) A report on demographic structure of your neighborhood. (ii) Changing consumer awareness amongst households. (iii) Dissemination of price information for growers and its impact on consumers. (iv) Study of a cooperative institution: milk cooperatives, marketing cooperatives, etc. (v) Case studies on public private partnership, outsourcing and outward Foreign Direct Investment, (vi) Global warming (vii) Designing eco-friendly projects applicable in school such as paper and water recycle. The project work includes all the steps involved in designing a project starting from choosing a title, exploring the information relating to the title, collection of primary and secondary data, analysing the data, presentation of the project and using various statistical tools and their interpretation and conclusion.</p>
FEBRUARY 2018 - Revision Test				
Special note: - Project work should be started from July. Teacher can give 2 periods weekly for project work and in January, 2018 it should be compiled.				

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS XI

SUBJECT: HISTORY

THEMES	PERIODS	MONTHS	MARKS
1. Introduction to World History SECTION A: EARLY SOCIETIES 2. Introduction 3. From the Beginning of Time Focus: Africa, Europe till 15000 BC (a) Views on the origin of human beings. (b) Early societies (c) Historians' views on present-day hunting-gathering societies.	4 28 4	Apr/Jun 2017	15
4. Early Cities Focus: Iraq, 3rd millennium BC (a) Growth of towns. (b) Nature of early urban societies. (c) Historians' Debate on uses of writing	12 12	UT-1	
SECTION B: EMPIRES 5. Introduction 6. An Empire across Three Continents Focus: Roman Empire, 27 BCE to 600 CE (a) Political evolution (b) Economic expansion (c) Religio-cultural foundation (d) Late Antiquity (e) Historians' views on the institution of Slaver.	32 3		20
7. Central Islamic Lands Focus: 7 th to 12 th centuries (a) Polity (b) Economy (c) Culture (d) Historian's viewpoints on the nature of the crusades.	4 13	July 2017 UT-2	
8. Nomadic Empires Focus: the Mongol, 13th to 14th century (a) The nature of nomadism. (b) Formation of empires (c) Consequences and relations with other states. (d) Historians' views on nomadic societies and state formation.	12		

Themes.....	Periods	Months	Marks
SECTION C:CHANGING TRADITIONS	32	Aug 2017	20
9. Introduction	3	UT-3	
	4		
10. Three Orders Focus: Western Europe, 13th-16th century (a) Feudal society and economy. (b) Formation of states. (c) Church and Society. (d) Historians' views on decline of feudalism			
11. Changing Cultural Traditions Focus on Europe, 14 th to 17 th century. News ideas and new trends in literature and arts. Relationship with earlier ideas The contribution of West Asia Historians' viewpoints on the validity of the notion European Renaissance.	13		
12. Confrontation of Cultures Focus on America, 15 th to 18 th century. (a) European voyages of exploration. (b) Search for gold; enslavement, raids, extermination. Indigenous people and cultures- The Arawaks, The Aztecs &The Incas. The history of displacements Historians' viewpoints on slave trade	12	Sept-2017	
Revision and 1st Term Examination			
SECTION D:			
PATHS TO MODERNIZATION	20	Nov 2017	
13. Introduction		UT-4	
14. The Industrial Revolution Focus: on England, 18 th and 19 th century. (a) Innovations and technological change. (b) Patterns of Growth. (c) Emergence of a working class (d) Historians viewpoints, Debate on 'Was there an Industrial Revolution?'	5 5 10		20
15. Displacing Indigenous People Focus on North America and Australia, 18 th -20 th Century. (a) European colonists in North America & Australia. (b) Formation of white settler societies. (c) Displacement and repression of local people.	12	Dec 2017 UT-5	
(d) Historians' viewpoints on the impact of European settlement on indigenous population.	5		

16. Paths to Modernization Focus on East Asia , late 19 th and 20 th centuries (a) Militarization and economic growth in Japan (b) China and Communist alternative. (c) Historians debate on the meaning and modernization.	12 10	Jan 2018 UT-6	
17. Map Work (1-16)	10	Feb 2018	5
18. Project Work	10	Feb 2018	20
19. Revision Exam		Feb 2018	
TERM TEST-2		MARCH 2018	

NOTE:

1. Value based questions can be taken from any of the above Sections A,B,C,D accordingly Teacher can reduce weight age of the corresponding sections

2. Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI**SUBJECT: GEOGRAPHY**

1. *FUNDAMENTALS OF PHYSICAL GEOGRAPHY MARKS (25)*
2. *INDIA-PHYSICAL ENVIRONMENT MARKS (25)*
3. *PRACTICAL WORK IN GEOGRAPHY-PART-I MARKS (30)*
4. *MAP & DIAGRAM- MARKS (05)*
2. *MAP & DIAGRAM - MARKS (05)*
3. *OBTA PART-A (UNIT-05) MARKS (10)*

SL. NO	MONT H	NO OF DAYS	PERIODS	WEIGHTAGE	UNITS/SUBUNITS AND TOPICS TO BE COVERED	UT/ AM
TERM-01						
1	APRIL / JUNE- 16	23/ 26	32/ 36	03 05 03	FUNDAMENTALS OF PHYSICAL GEOGRAPHY UNIT-I 1. GEOGRAPHY AS A DISCIPLINE Geography as an integrating discipline as a science of spatial attributes. Branches of Geography, Importance of Physical Geography UNIT-II THE EARTH 2. The Origin and Evolution of the Earth 3. Interior of the Earth 4. Distribution of Oceans and Continents INDIA-PHYSICAL ENVIRONMENT UNIT-I 1. India-Location PRACTICAL WORK IN GEOGRAPHY UNIT-I FUNDAMENTALS OF MAP 1. Maps	UT-01 AT-01
2	JULY- 16	26	36	08 10	FUNDAMENTALS OF PHYSICAL GEOGRAPHY UNIT-III LANDFORMS 5. Minerals and Rocks 6. Geomorphic processes 7. Landforms and their Evolution PRACTICAL WORK IN GEOGRAPHY UNIT-I FUNDAMENTALS OF MAP 2. Latitude, Longitude and Time	UT-02 AT-02

PERSPECTIVE ACADEMIC PLANNING 2017-18 NVS NOIDA

3	AUGUST-16	25	27	08 07 07 5	INDIA-PHYSICAL ENVIRONMENT UNIT-II 2. Structure and Physiography 3. Drainage FUNDAMENTALS OF PHYSICAL GEOGRAPHY UNIT IV 8. Composition and structure of Atmosphere 9. Solar Radiation, Heat Balance and Temperature	UT-03 AT-03
4	SEPTEMBER -16	24	32	10 12 10	FUNDAMENTALS OF PHYSICAL GEOGRAPHY UNIT IV 10. Atmospheric circulation and Weather system 11. Water in the Atmosphere 12. World climate and Climate change	PROJECT- I
FIRST TERMINAL EXAMINATION						
TERM-II						
5.	OCTOBER/ NOVEMBER- 16	23/ 24	32	05 04 08 08 07	FUNDAMENTALS OF PHYSICAL GEOGRAPHY UNIT -V 13. Water (Oceans) 14. Movements of Ocean water INDIA-PHYSICAL ENVIRONMENT UNIT-III 4. Climate 5. Vegetation PRACTICAL WORK FUNDAMENTALS OF MAP Map Projection	UT-04 AT-04
6	DECEMBER- 16	25	32	6 9 8 9	INDIA-PHYSICAL ENVIRONMENT UNIT-II Topographic maps Study of Topographical maps UNIT-III 6. Soils PRACTICAL WORK UNIT-II Weather instruments and Weather maps	UT-V AT-V
7	JANUARY-18	26	27	09 09 09	FUNDAMENTALS OF PHYSICAL GEOGRAPHY UNIT -VI 15. Life on the Earth, 16. Biodiversity and conservation. INDIA-PHYSICAL ENVIRONMENT UNIT-IV Natural hazards and Disasters.	UT-VI AT-VI PROJECT- II
8	FEB-18	25	32	Revision Exam		
9	MAR-18	27	II TERM TEST			

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS 2017-18

CLASS: XI

SUBJECT: COMPUTER SCIENCE (083)

NOTE: PYTHON IS REMOVED FROM THE SYLLABUSPROGRAMMING LANGUAGE: C++

Duration 3 Hours

Total Mark 70

Unit No	Unit Name	Periods			Marks		
		Theory	Practical	Total	Theory	Practical	Total
1	COMPUTER FUNDAMENTALS	18	06	24	10	2	12
2	PROGRAMMING METHODOLOGY	28	10	38	12	4	16
3	INTRODUCTION TO C++	44	36	80	14	8	22
4	PROGRAMMING IN C++	50	48	98	34	20	54
TOTAL		140	100	240	70	30	100

MONTH	NO.OF DAYS	PERIODS	WEIGHTAGE	UNITS/SUB/UNITS AND TOPICS TO BE COVERED	PRACTICALS/ ACTIVITIES/ ASSESSMENT
TERM-1					
April/June	25	18T + 06P	10+2	<p>UNIT 1: COMPUTER FUNDAMENTALS Evolution of computers; Basics of computer and its operation: Functional Components and their interconnections, concept of Booting. Software Concepts: Types of Software - System Software, Utility Software and Application Software System Software: Operating System, Compiler, Interpreter and Assembler.</p> <p>Operating System: Need for operating system, Functions of Operating System (Processor Management, Memory Management, File Management and Device Management), Types of operating system -Interactive (GUI based), Time Sharing, Real Time and Distributed; Commonly used operating systems: UNIX, LINUX, Windows, Solaris, BOSS (Bharat Operating System Solutions); Mobile OS- Android, Symbian. Illustration and practice of the following tasks using any one of the above Operating Systems: • Opening/Closing Windows • Creating/Moving/Deleting Files/Folders • Renaming Files/Folders • Switching between Tasks Utility Software: Anti Virus, File Management tools, Compression tools and Disk Management tools (Disk Cleanup, Disk Defragmenter, Backup) Application software: Office Tools - Word Processor, Presentation Tool, Spreadsheet Package, Database Management System; Domain specific tools - School Management System, Inventory Management System, Payroll System, Financial Accounting, Hotel Management, Reservation System and Weather Forecasting System.</p>	<p>Note: Exploring inside computer system in the computer lab</p> <p>Record of the configuration of computer system used by the student in the computer lab</p>

				<p>Open Source Concepts: Open Source Software, Freeware, Shareware and Proprietary Software.</p> <p>Microprocessor: Basic concepts, Clock speed (MHz, GHz), 16 bit, 32 bit, 64 bit, 128 bit processors; Types CISC, RISC and EPIC .</p> <p>Memory Concepts: Units: Byte, Kilo Byte, Mega Byte, Giga Byte, Tera Byte, Peta Byte, Exa Byte, Zetta Byte, Yotta Byte.</p> <p>Primary Memory: Cache, RAM, ROM</p> <p>Secondary Memory: Fixed and Removable Storage - Hard Disk Drive, CD/DVD Drive, Pen Drive, Blue Ray Disk</p> <p>Input Output Ports/Connections: Serial, Parallel and Universal Serial Bus, PS-2 port, Infrared port, Bluetooth, Firewire.</p>	
July	25	22T + 10P	14 + 08	<p>UNIT 3: INTRODUCTION TO C++</p> <p>Getting Started:</p> <p>C++ character set, C++ Tokens (Identifiers, Keywords, Constants, Operators), Structure of a C++ Program (include files, main function); Header files - iostream.h, iomanip.h; cout, cin; Use of I/O operators (<< and >>), Use of endl and setw(), Cascading of I/O operators, Error Messages; Use of editor, basic commands of editor, compilation, linking and execution;</p> <p>Data Types, Variables and Constants: Concept of Data types; Built-in Data types: char, int, float and double; Constants: Integer Constants, Character Constants (Backslash character constants \n, \t, \b), Floating Point Constants, String Constants; Access modifier: const; Variables of built-in data types, Declaration/Initialization of variables, Assignment statement; Type modifier: signed, unsigned, long</p> <p>Operators and Expressions: Operators: Arithmetic operators (-, +, *, /, %), Assignment operator (=), Unary operator (-), Increment (++) and Decrement (--) Operators, Relational operators (>, >=, <, <=, ==, !=), Logical operators (!, &&,), Conditional operator: <condition>?<if true>:<else>; Precedence of Operators; Expressions; Automatic type conversion in expressions, Type casting; C++ short hands (+ =, - =, * =, / =, % =)</p>	Simple programs in C++ included in the Text book/reference books. UT-1
August		14T + 05P 10T + 05P 10T + 10P	10 04	<p>UNIT 4: PROGRAMMING IN C++</p> <p>Flow of control: Conditional statements: if-else, Nested if, switch..case..default, use of conditional operator , Nested switch..case, break statement (to be used in switch..case only);</p>	UT-2 C++ programs on Control structures and in built

Sept.	24	12	<p>Loops: while, do - while , for and Nested loops</p> <p>Inbuilt Functions</p> <p>Standard input/output functions: stdio.h</p> <p>Functions: gets(), puts()</p> <p>Character Functions:</p> <p>Header File: ctype.h</p> <p>Functions: isalnum(), isalpha(), isdigit(), islower(), isupper(), tolower(), toupper()</p> <p>String Functions:</p> <p>Header File: string.h</p> <p>Function: strcpy(), strcat(), strlen(), strcmp(), strcmpi(), strrev(), strlen(),strupr(), strlwr()</p> <p>Mathematical Functions:</p> <p>Header File-math.h, stdlib.h</p> <p>Functions: fabs(), pow(), sqrt(), sin(), cos(), abs();</p> <p>Other Functions:</p> <p>Header File- stdlib.h;</p> <p>Functions: randomize(), random(), itoa(), atoi()</p> <p>UNIT 1: COMPUTER FUNDAMENTALS</p> <p>Number System: Binary, Octal, Decimal, Hexadecimal and conversion between two different number systems</p> <p>Internal Storage encoding of Characters: ASCII, ISCII (Indian scripts Standard Code for Information Interchange), and UNICODE (for multilingual computing)</p> <p>UNIT 2: PROGRAMMING METHODOLOGY</p> <p>General Concepts; Modular approach; Clarity and Simplicity of Expressions, Use of proper Names for identifiers, Comments, Indentation; Documentation and Program Maintenance; Running and Debugging programs, Syntax Errors, Run-Time Errors, Logical Errors.</p> <p>Problem Solving Methodologies:</p> <p>Understanding of the problem, Solution for the problem. Identifying minimum number of inputs required for output, Writing code to optimizing execution time and memory storage, step by step solution for the problem, breaking down solution into simple steps, Identification of arithmetic and logical operations required for solution, Control Structure: Conditional control and looping (finite and infinite)</p> <p>Problem Solving: Introduction to Algorithms/Flowcharts.</p>	<p>functions.</p> <p>UT-3</p>
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FIRST TERMINAL EXAMINATION				
Oct./ Nov.		20	10	<p align="center">TERM II</p> <p>UNIT 4: PROGRAMMING IN C++ (continuation)</p> <p>Structured Data Type:</p> <p>Arrays: Introduction to Array and its advantages.</p> <p>One Dimensional Array: Declaration /initialization of One – dimensional array, Inputting array elements, Accessing array elements, Manipulation of array elements(sum of elements, product of elements, average of elements, linear search, finding maximum/minimum value)</p>
				C++ programs on Array manipulation

Nov.	14	10T + 10P	10	<p>UNIT 4: PROGRAMMING IN C++ (continuation)</p> <p>Declaration/Initialization of a String, String manipulations(counting vowels/consonants/digits/special characters, case conversion, reversing a string, reversing each word of a string)</p> <p>Two –Dimensional array Declaration /initialization of a two dimensional array, inputting array elements, Accessing array elements, Manipulation of array elements (sum of row elements, column elements, diagonal elements, finding maximum/minimum values)</p>	<p>C++ Programme on String Manipulations(as an array)</p> <p align="center">UT-4</p>
Dec.	23	12T + 10P	10	<p>UNIT 4: PROGRAMMING IN C++ (continuation)</p> <p>User Defined Functions: Defining a function; function prototype Invoking/calling a function, passing arguments to function, specifying argument data types. Default argument, constant argument, call by value, call by reference, returning values from a function, calling functions with arrays, scope rules of functions and variables local and global variables. Relating the parameters and return type concepts in built in functions.</p>	<p>C++ programs on function implementation (may also include arrays in functions)</p> <p align="center">UT-5</p>

Jan.	26	12T + 10P	10	UNIT 4: PROGRAMMING IN C++ (continuation) User-defined Data Types: Need for : User defined data type Structure – Defining a Structure(Keyword struct), Declaring structure variables, Accessing structure elements, Passing structure to Functions as value and reference argument/parameter, Function returning structure, Array of structures, passing an array of structure as an argument/ a parameter . Function returning structure, Array of structures, passing an array of structure as an argument/a parameter to a function. Defining a symbol name using typedef keyword and defining a macro using #define directive.	C++ programs on Structure Manipulation. UT-6
Feb.				Project work Problems related to String, Number and Array and Structure manipulation General Guidelines: Initial Requirement, developing an interface for user (it is advised to use text based interface screen), developing logic for playing the game and developing logic for scoring points ✚ Memory Game: A number guessing game with application of 2 dimensional arrays containing randomly generated numbers in pairs hidden inside boxes. ✚ Cross 'N Knots Game: A regular tic-tac-toe game ✚ Hollywood/Hangman: A word Guessing game ✚ Cows 'N Bulls: A word/number Guessing game ✚ Random Number Guessing Game (High/ Low) ✚ A Game to check whether a word does not use any of the forbidden letters. or Similar projects may be undertaken in other domains.	
MARCH – TERM -2 EXAMINATION					

Note: T stands for number of Theory periods and P stands for Practical periods.

CLASS XI (PRACTICALS)

Duration: 3 hours

Total Marks: 30

1. Programming in C++

10

One programming problem in C++ to be developed and tested in Computer during the examination. Marks are allotted on the basis of following:

Logic : 6 Marks
 Documentation/Indentation : 2 Marks
 Output presentation : 2 Marks

2. Project Work**06+04*****Problems related to String, Number and Array and Structure manipulation:**

General Guidelines: Initial Requirement, developing an interface for user (it is advised to use text based interface screen), developing logic for playing the game and developing logic for scoring points.

1. Memory Game: A number guessing game with application of 2 dimensional arrays containing randomly generated numbers in pairs hidden inside boxes.
2. Cross 'N Knots Game: A regular tic-tac-toe game
3. Hollywood/Hangman: A word guessing game
4. Cows 'N Bulls: A word/number guessing game
5. Random Number Guessing Game (High/ Low)
6. A Game to check whether a word does not use any of the forbidden letters.

OR

Similar projects may be undertaken in other domains (As mentioned in general guidelines for project, given at the end of the curriculum in a group of 2-4 students).

Collaboration and Presentation of the Project*3. Practical File****5+1***

(a) Record of the configuration of computer system used by the student in the computer lab (by exploring inside computer system in the first 2 lab classes)

(b) Must have minimum 20 Programs from the topics covered in class XI Course.

- Programs on Control structures
- Programs on Array manipulations (1D& 2D)
- Programs on String Manipulations
- Programs on Structures

1 Mark is for innovating while developing Programmes*4.****Viva Voce:****03+1***

Viva will be asked from the syllabus covered in class XI and the project developed by the student(s).

***1 Mark is for innovating while developing Programmes**

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XI**SUBJECT: INFORMATICS PRACTICES (065)****Learning Outcomes:**

- Sound knowledge of computer system.
- Ability to develop application using simple IDEs.
- Ability to use, develop & debug programs independently.
- Ability to store and retrieve data using an RDBMS.

S.NO	TOPIC	PERIOD		MARKS	
		THEORY	PRACTICAL	THEORY	PRACTICAL
1	INTRODUCTION TO COMPUTER SYSTEMS	20	08	10	02
2	INTRODUCTION TO PROGRAMMING	45	42	25	16
3	RELATIONAL DATABASE MANAGEMENT SYSTEM	50	45	30	06
4	IT APPLICATIONS	10	20	5	06
TOTAL				70	30

			<p>Developing General Application, Getting Familiar with Java Swing User Interface components - Frame, Dialog, Option Pane, Label, Text Field, Password, Field, Text Area, Button, Check Box, Radio Button, Combo Box, List.</p> <p>• Basic component handling methods and properties: setText(), getText(), Add, isSelected(), setSelected().</p>	
3	AUGUST	32 (24 Theory + 8 Practicals)	<p>UNIT 2: INTRODUCTION TO PROGRAMMING Programming Fundamentals</p> <p>Data Types: Concept of data types; Built-in data types - byte, short, int, long, float, double, char, String, Boolean</p> <p>Variables: Need to use variable, Declaring Variables, Variable Naming Convention, Assigning value to Variables; Integer object method: parseInt Double object method: parse double, parse float</p> <p>Decision Structures: if, if-else, switch Looping Structure- while, do-while, for;</p>	<p>UT-3</p> <p>Programs on if, if-else, switch statements.</p>
4	SEPT	32 (24 Theory + 8 Practicals)	<p>2: INTRODUCTION TO PROGRAMMING</p> <p>General Concepts; Modular approach; Stylistic Guidelines: Clarity and Simplicity of Expressions, Names, Comments, Indentation; Running and debugging programs, Syntax Errors, Run-Time Errors, Logical Errors. Problem Solving Methodology: Understanding of the problem, Identifying minimum number of inputs required for output, breaking down problem into simple logical steps.</p> <p>TT-1</p>	<p>Programs on for, while, and do – while loops</p>
	OCT.	12 (9 Theory and 3 Practicals)	<p>UNIT 3: RELATIONAL DATABASE MANAGEMENT SYSTEM</p> <p>Database Management System Introduction to database concepts: Database, Relation/Table, attribute/field, Tuple / Rows; Data Types - Number, Character and Date Key - Primary Key, Candidate key, Alternate key, Foreign key; Examples of common Database Management System - MySQL, INGRES, POSTGRES, ORACLE, DB2, MS</p>	<p>Simple queries using CREATE DATABASE, TABLES ETC commands</p>

			SQL, Sybase.	
	NOV.	32(24 Theory and 8 Practicals)	<p>Introduction to MySQL (ANSI SQL 99 standard commands) Classification of SQL Statements: DML - SELECT, INSERT, UPDATE, DELETE DDL - CREATE, DROP, ALTER</p> <p>Creating and using a database: SQL CREATE command to create a database, USE command to select a database.</p> <p>Creating a table: CREATE command to create a table, DESC command to display a table structure, INSERT command for: Inserting New Rows, Inserting New Rows with Null Values, Inserting NUMBER, CHAR and DATE Values.</p> <p>Displaying table data: SELECT command for Selecting all the Columns, Selecting Specific Column, Using Arithmetic Operators, Operator Precedence, Defining and using column Alias, Eliminating duplicate values from display (DISTINCT Keyword), Limiting Rows during selection (using WHERE clause), Working with Character Strings and Dates, Working with NULL values.</p>	<p>Simple queries using SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, ALTER commands UT-4</p>
	DEC.	28 (22 Theory + 6 Practical)	<p>UNIT 3: RELATIONAL DATABASE MANAGEMENT SYSTEM Using Comparison Operators - =, <, >, <=, >=, <>, BETWEEN, IN, LIKE (%,_), Logical Operators - AND, OR, NOT, Operator Precedence. • ORDER BY Clause, Sorting in Ascending/Descending Order, Sorting By Column Alias Name, Sorting On Multiple Columns. Manipulating Data of a Table/Relation: Update command to Change Existing Data of a Table, Delete command for removing row(s) from a Table. Restructuring a table: ALTER TABLE for adding new column(s), deleting a column.</p> <p>Functions in MySQL: String Function - CHAR(), CONCAT(), INSTR(), LCASE(), LEFT(), LOWER(), LENGTH(), LTRIM(), MID(), RIGHT(), RTRIM(), SUBSTR(), TRIM(), UCASE(), UPPER(). Mathematical Functions - POWER(), ROUND(), TRUNCATE(). Date and Time Functions - CURDATE() , DATE(), MONTH(), YEAR(), DAYNAME(), DAYOFMONTH(), DAYOFWEEK(), DAYOFYEAR(), NOW(), SYSDATE().</p>	<p>Queries on Relational operator, between, like, in operator and using functions. UT-5</p>

	JAN.	25 (19 Theory + 6 Practical)	UNIT 4: IT APPLICATIONS e-Governance - Definition, Benefits to citizens, e-Governance websites and their salient features and societal impacts; e-Governance challenges. e-Business - Definition, Benefits to customers and business, e-Business websites and their salient features and societal impacts; Net banking, Mobile banking e-Business challenges. e-Learning - Definition; Benefits to students (Learners), Teachers (Trainers) and School (Institution) Management; e-Learning websites and their salient features and societal impacts; e-Business Challenges. In each of the above domains, identify at least two reallife problems, list the input(s) required for the expected output(s), and describe the problem solving approach. Impact of ICT on society-social, environmental and economic benefits.	Front and backend Application. Browsing of IT enabled Application Websites on Internet. UT-6
	FEB.	28 (22 Theory + 6 Practical)	Revision and Practical Examination.	
	MARCH	TERM TEST II		

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

नवोदय विद्यालय समिति जोड़ा					
वार्षिक पाठ्यक्रम विभाजन 2017-18					
हिंदी आधार (कोड सं 302)					कक्षा बारहवी
क्र	विषय सामग्री				अंक
1	अपठित बोध (गद्यांश और पद्यांश) 15+5				20
2	कार्यालयी हिंदी और रचनात्मक लेखन				25
3	गद्य पद्य संकलन (आरोह भाग 2) पाठ्य पुस्तक 20+20				40
4	पूरक पुस्तक (वितान भाग 2)				15
	योग				100
प्रथम सत्र					
क्र	माह	आरोह भाग 2	वितान भाग 2	अभिव्यक्ति और माध्यम	टिप्पणी
1	अप्रैल जून 2017	गद्य खंड: 1 अतिन महादेवी वर्मा 2 बाजार दर्शन जिनेंद्र कुमार पद्य खंड: 1 अ) आत्म परिचय (व) एक गीत हरिवंशराय वच्चन 2 प्रतंग आलोक धन्वा	1 मिल्वर वैडिंग मनोहर श्याम जोशी	1 अपठित गद्यांश/ पद्यांश 2 समाचार लेखन 3 संपादकीय	1 प्रथम इकाई परीक्षा 2 प्रदत्त कार्य 3 परियोजना कार्य
2	जुलाई 2017	गद्य खंड: 1 काले मेघा पानी दे वीर भारती 2 पहलवान की ढोलक फणीश्वरनाथ रेणु पद्य खंड: 1 अ) कविता के बहाने (व) वात सीधी थी पर कुँवर नारायण 2 कैमरे में बंद अपाहिज मुवीर सहाय	1 जूझ आनंद यादव	1 निबंध लेखन 2 पत्र लेखन 3 रिपोर्ट 4 आलेख 5 फीचर लेखन	1 द्वितीय इकाई परीक्षा
3	अगस्त 2017	गद्य खंड: 1 चोली चैप्लिन यानी हम सब मिणु खरे 2 निमक रजिया सज्जाद जहीर पद्य खंड: 1 सहर्ष स्वीकारा है गजानन माधव मुक्तिबोध 2 उषा शमशेर बहादुर सिंह 3 बादल राग सूर्यकांत त्रिपाठी निराला	1 अतीत में दवे पॉव ओम थानवी	पुस्तक समीक्षा	1 तृतीय इकाई परीक्षा
4	सितंबर 2017	पद्य खंड: 1 अ) कवितावली (उत्तर कांड से) (व) लक्ष्मण मूर्छा और राम का विलाप मुलसीदास		1 संक्षिप्त प्रश्नोत्तर	1 प्रथम सत्रांत परीक्षा 2 प्रदत्त कार्य 3 परियोजना
द्वितीय सत्र					
5	अक्टूबर 2017	गद्य खंड: 1 शिरीष के फूल हजारी प्रसाद द्विवेदी पद्य खंड: 1 अ) रुबाइयाँ (व) गज़ल फ़िराक गोरखपुरी		1 अपठित गद्यांश पद्यांश	

PERSPECTIVE ACADEMIC PLANNING 2017-18 NVS NOIDA

6	नवंबर 2017	गद्य खंड 1 <input type="checkbox"/> अ) श्रम विभाजन और जाति प्रथा (ब) मेरी कल्पना का आदर्श समाज श्रीमराव आंबेडकर पद्य खंड 1 <input type="checkbox"/> अ) छोटा मेरा खेत (ब) बगुलों के पंख उमा शंकर जोशी	1 <input type="checkbox"/> डायरी के पन्ने पिन फैंक	1 <input type="checkbox"/> निबंध लेखन 2 <input type="checkbox"/> प्रश्न लेखन 3 <input type="checkbox"/> रिपोर्ट 4 <input type="checkbox"/> आलेख 5 <input type="checkbox"/> फीचर लेखन	1 <input type="checkbox"/> चतुर्थ इकाई परीक्षा
7	दिसंबर 2017	इकाई के अनुक्रम में पाठ्यक्रम की पुनरावृत्ति	पाठ्यक्रम की पुनरावृत्ति		प्रथम पूर्वपरिषदीय परीक्षा
8	जनवरी 2018	इकाई के अनुक्रम में पाठ्यक्रम की पुनरावृत्ति	पाठ्यक्रम की पुनरावृत्ति		द्वितीय पूर्वपरिषदीय परीक्षा
9	फरवरी 2018	इकाई के अनुक्रम में पाठ्यक्रम की पुनरावृत्ति	पाठ्यक्रम की पुनरावृत्ति		
10	मार्च 2018	पाठ्यक्रम की पुनरावृत्ति एवं परिषदीय परीक्षा 2018			
निर्धारित पुस्तकें : 1 <input type="checkbox"/> आरोह भाग 2 : गद्य प्रबंध संकलन (पाठ्य पुस्तक) : एन.सी.ई.आर.टी. द्वारा प्रकाशित 2 <input type="checkbox"/> वितान भाग 2 : (पूरक पुस्तक) एन.सी.ई.आर.टी. द्वारा प्रकाशित 3 <input type="checkbox"/> अभिव्यक्ति एवं माध्यम : एन.सी.ई.आर.टी. द्वारा प्रकाशित					

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: XII**SUBJECT: ENGLISH CORE - CODE: 301****FIRST TERM**

MONTH	PERIODS	TEXT BOOKS FLAMINGO/ VISTAS	NOVEL THE INVISIBLE MAN/ SILAS MARINER	READING & ADVANCED WRITING SKILLS	ACTIVITIES ASSESSMENTS
April/June	29	The Last Lesson My Mother at Sixty six (Poem) The Tiger King	Chapters-1,2,3,4	I. Short Composition A) Drafting Notices B) Drafting Advertisements C) Designing Posters D) Invitations & Replies	Unit Test-I
July	31	Lost Spring Deep water An Elementary School Classroom in a slum (Poem) The Enemy	Chapters-5,6,7,8	II. Factual Description of Events/incidents/processes Writing reports based on a verbal input provided	Unit Test-2
August	28	The Rattrap Keeping Quiet(Poem) Should Wizard Hit Mommy?	Chapters- 9,10,11,12	III. Letter Writing 1. Official Letters 2. Business Letters 3. Letter to the Editor 4. Application for Job 5. Letter to the Principal/ School Authorities	Unit Test-3
September	28	Indigo A Thing of Beauty (Poem) On the face of it	Chapters- 13,14,15,16, 17	Comprehension of Unseen Passages: Two Unseen passages followed by a set of MCQ's & Short questions to test local, global & inferential comprehension and questions on vocabulary	Termtest-1

SECOND TERM

October	18	Evans Tries an O' Level	Chapters- 18,19,20,21,22	IV. Long Composition: Writing Article/Debate/Speech	
November	29	Going Places Aunt Jennifer's Tigers(Poem) Memories of Childhood	Chapters- 23,24,25,26,27,28	Conversational Skills 1. Listening 2. Speaking	Unit test-4
December January-2018 February-2018	28 30 28	Revision Revision Revision		Practice Tests Practice Tests Practice Tests	Pre Board-1 Pre Board-2 Model Exam.

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: XII (2017-18)

SUBJECT: MATHS

UNIT –WISE MARKS DISTRIBUTION AS PER CBSE NORMS

UNIT	NAME OF THE UNIT	No OF PERIODS	MARKS
I	RELATION AND FUNCTION	30	10
II	ALGEBRA	50	13
III	CALCULUS	80	44
IV	VECTORS & THREE DIMENSIONAL GEOMETRY	30	17
V	LINEAR PROGRAMMING	20	06
VI	PROBABILITY	30	10
TOTAL		240	100

MONTH	UNIT TO BE COVERED	PERIODS	UNITS/ SUB TOPICS	REMARKS
APRIL /JUNE	ALGEBRA	25	<p style="text-align: center;">MATRICES</p> <p>Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).</p>	UNIT TEST-1
		25	<p style="text-align: center;">DETERMINANTS</p> <p>Determinant of a square matrix (up to 3×3 matrices), properties of determinants, minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.</p>	

JULY-2017	RELATION FUNCTION, CALCULUS	15	<p>RELATIONS AND FUNCTIONS</p> <p>Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, composite functions, inverse of a function. Binary operations.</p> <p>INVERSE TRIGONOMETRIC FUNCTIONS</p> <p>Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions.</p>	UNIT TEST-2
		15		
		20	<p>CONTINUITY AND DIFFERENTIABILITY</p> <p>Continuity and differentiability, derivative of composite functions, chain rule, derivatives of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.)</p>	

AUGUST-2017	CALCULUS (CONTD)	10	<p style="text-align: center;">APPLICATIONS OF DERIVATIVES</p> <p>Applications of derivatives: rate of change of bodies, increasing/decreasing functions, tangents and normals, use of derivatives in approximation, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).</p>	UNIT TEST-3
		20	<p style="text-align: center;">INTEGRALS</p> <p>Integration as inverse process of differentiation. Integration of variety of functions by substitution, by partial fractions and by parts. Evaluation of simple integrals of the following types and problems based on them.</p> $\int \frac{dx}{x^2 \pm a^2} \quad \int \frac{dx}{a^2 - x^2} \quad \int \frac{dx}{\sqrt{x^2 \pm a^2}}$ $\int \frac{dx}{\sqrt{a^2 - x^2}}$ $\int \frac{dx}{ax^2 + bx + c} \quad \int \frac{(px+q)dx}{ax^2 + bx + c}$ $\int \frac{dx}{\sqrt{ax^2 + bx + c}} \quad \int \frac{(px+q)dx}{\sqrt{ax^2 + bx + c}}$ $\int \sqrt{x^2 \pm a^2} dx, \quad \int \sqrt{a^2 - x^2} dx$ $\int \sqrt{ax^2 + bx + c} dx$ $\int (px + q) dx \int \sqrt{ax^2 + bx + c} dx \text{ etc.}$ $\int (px + q) \sqrt{ax^2 + bx + c} dx$ <p>Definite integrals as a limit of a sum, Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.</p>	

SEPTEMBER- 2017		15	APPLICATIONS OF THE INTEGRALS Applications in finding the area under simple curves, especially lines, circles/parabolas/ellipses (in standard form only), Area between any of the two above said curves (the region should be clearly identifiable).	TERM TES T-1
			FIRST TERM EXAMINATION (14-09-2017 TO 24-09-2017)	
OCTOBER	CALCULUS, VECTORS	15	DIFFERENTIAL EQUATIONS Definition, order and degree, general and particular solutions of a differential equation. Formation of differential equation whose general solution is given. Solution of differential equations by method of separation of variables. Solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $dy/dx + p y = q$, where p and q are functions of x or constants. $dx/dy + p x = q$, where p and q are functions of y or constants.	
		15	VECTORS Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors, scalar triple product of vectors.	

NOVEMBER R-2017	THREE DIMENSIONAL GEOMETRY, LPP, PROBABILITY	15	<p>THREE DIMENSIONAL GEOMETRY</p> <p>Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane</p>	UNIT TEST-4
		20	<p>LINEAR PROGRAMMING</p> <p>Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions(bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).</p>	
		30	<p>PROBABILITY</p> <p>Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean and variance of random variable. Repeated independent (Bernoulli) trials and Binomial distribution.</p>	
	DECEMBER	REVISION & 1 ST PRE-BOARD (9-12-17 to 15-12-17)		
	JANUARY	REVISION & 2 ND PRE-BOARD (18-01-18 to 31-01-18)		
	FEBRUARY	PRACTICE PAPERS		
	MARCH	BOARD EXAMINATIONS		

PRESCRIBED BOOKS:**Mathematics Part I - Textbook for Class XII, NCERT Publication****Mathematics Part II - Textbook for Class XII, NCERT Publication****Mathematics Exemplar Problem for Class XII, Published by NCERT**

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS – XII**SUBJECT – PHYSICS****Code No. 042****Time: 3 hrs.****Class XII (Theory)****Max Marks: 70**

Unit No.	Contents	Periods	Marks
Unit-I	Electrostatics	22	15
	Chapter–1: Electric Charges and Fields		
	Chapter–2: Electrostatic Potential and Capacitance		
Unit-II	Current Electricity	20	
	Chapter–3: Current Electricity		
Unit-III	Magnetic Effects of Current and Magnetism	22	16
	Chapter–4: Moving Charges and Magnetism		
	Chapter–5: Magnetism and Matter		
Unit-IV	Electromagnetic Induction and Alternating Currents 20	20	
	Chapter–6: Electromagnetic Induction		
	Chapter–7: Alternating Current		
Unit-V	Electromagnetic Waves	04	17
	Chapter–8: Electromagnetic Waves		
Unit-VI	Optics	25	
	Chapter–9: Ray Optics and Optical Instruments		
Unit-VII	Chapter–10: Wave Optics	08	10
	Dual Nature of Radiation and Matter		
	Chapter–11: Dual Nature of Radiation and Matter		
Unit-VIII	Atoms and Nuclei 14		
	Chapter–12: Atoms		
	Chapter–13: Nuclei		
Unit-IX	Electronic Devices	15	
	Chapter–14: Semiconductor Electronics: Materials,		
	Total	160	12 70

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS – XII**SUBJECT – PHYSICS**

MONTH	PERIODS	NAME OF THE UNIT & SUB-TOPICS TO BE COVERED	ACTIVITIES/ ASSN AND PRACTICALS
April/ June	22	Electrostatics Electric Charges; Conservation of charge, Coulomb's law-force between two point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarisation, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor. Current Electricity Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, electrical resistance, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity.	Experiment 1, 2 & 3 Activity 1 & 2 Assignment-1 UNIT TEST-1
July	20	Current Electricity colour code for carbon resistors; series and parallel combinations of resistors; temperature dependence of resistance. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel. Kirchhoff's laws and simple applications. Wheatstone bridge, metre bridge. Potentiometer - principle and its applications to measure potential difference and for comparing emf of two cells; measurement of internal resistance of a cell.	Experiment 4, 5, 6 & 7 Activity 3 Assignment-2 UNIT TEST-2
		Magnetic Effects of Current and Magnetism Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight and toroidal solenoids (only qualitative treatment), Force on a moving	

		charge in uniform magnetic and electric fields. Cyclotron. Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors-definition of ampere. Torque experienced by a current loop in uniform magnetic field; moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter. Current loop as a magnetic dipole and its magnetic dipole moment.	
August	36	<p>Magnetic Effects of Current and Magnetism Magnetic dipole moment of a revolving electron. Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis. Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field and magnetic elements. Para-, dia- and ferro - magnetic substances with examples. Electromagnets and factors affecting their strengths. Permanent magnets.</p> <p>Electromagnetic induction and alternating current Electromagnetic induction; Faraday's laws, induced emf and current; Lenz's Law, Eddy currents. Self and mutual induction. Alternating currents, peak and rms value of alternating current/voltage; reactance and impedance; LC oscillations(qualitative treatment only), LCR series circuit, resonance; power in AC circuits, wattless current. AC generator and transformer.</p> <p>Electromagnetic waves Basic idea of : displacement current, Electromagnetic waves and their characteristics (qualitative ideas only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X- rays, gamma rays) including elementary facts about their uses.</p>	<p>Experiment 8 & 9 Activity 4 & 5 Assignment-3</p> <p>UNIT TEST-3</p>
September	15	<p>Optics Reflection of light, spherical mirrors, mirror formula. Refraction of light, total internal reflection and its applications, optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula. Magnification, power of a lens, combination of thin lenses in contact, . Refraction and dispersion of light through a prism. Scattering of light - blue colour of sky and reddish appearance of the sun at sunrise and sunset.</p> <p>Optical instruments : Microscopes and astronomical telescopes (Reflecting and refracting) and their magnifying powers.</p>	<p>Experiment 10 & 11 Activity 6 Assignment-3</p> <p>TERM TEST-1</p>
Oct./ November	10	<p>Wave optics: Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle. Interference, Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light. Diffraction due to a single slit, width of central maximum Resolving power of microscopes and astronomical telescope. Polarisation, plane polarised light, Brewster's law, uses of plane polarised light and</p>	<p>Experiment 12, 13, 14 & 15 Project</p> <p>UNIT TEST-4</p>

	8	Polaroids. Dual Nature of Radiation and matter Dual nature of radiation. Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Matter waves-wave nature of particles, de Broglie relation. Davisson- Germer experiment (experimental details should be omitted; only conclusion should be explained). Atoms & Nuclei Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones. Radioactivity alpha, beta and gamma particles/rays and their properties; radioactive decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.	
	14		
	15	Electronic Devices Energy bands in solids (Qualitative ideas only) conductor, insulator and semiconductor; semiconductor diode – I-V characteristics in forward and reverse bias, diode as a rectifier; I-V characteristics of LED, photodiode, solar cell, and Zener diode; Zener diode as a voltage regulator. Junction transistor, transistor action, characteristics of a transistor, transistor as an amplifier (common emitter configuration) . basic idea of analog and digital signals Logic gates (OR, AND, NOT, NAND and NOR). Communication Systems Elements of a communication system (block diagram only); bandwidth of signals (speech, TV and digital data); bandwidth of transmission medium. Propagation of electromagnetic waves in the atmosphere, sky and space wave propagation. satellite communication Need for modulation, A M	
	10		
December		REVISION AND Pre-Board Exam -1	
January		REVISION AND Pre-Board Exam -2	
February		CBSE Practicals And Revision	

CLASS: XII PHYSICS PRACTICALS**LIST OF EXPERIMENTS. ACTIVITIES & PROJECTS**

Record of at least 15 Experiments [with a minimum of 6 from each section], to be performed by the students.

Record of at least 5Activities [with a minimum of 2each from section A and section B], to be demonstrated by the teachers.

SECTION–A -Experiments

1. To determine resistance per cm of a given wire by plotting a graph for potential difference versus current.
2. To find resistance of a given wire using metre bridge and hence determine the resistivity (specific resistance) of its material
3. To verify the laws of combination (series) of resistances using a metre bridge.

4. To verify the laws of combination (parallel) of resistances using a metre bridge.
5. To compare the EMF of two given primary cells using potentiometer.
6. To determine the internal resistance of given primary cell using potentiometer.
7. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
8. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.
9. To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same.
10. To find the frequency of AC mains with a sonometer.

Activities (For the purpose of demonstration only)

1. To measure the resistance and impedance of an inductor with or without iron core.
2. To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multi-meter.
3. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
4. To assemble the components of a given electrical circuit.
5. To study the variation in potential drop with length of a wire for a steady current.
6. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

SECTION-B

Experiments

1. To find the value of v for different values of u in case of a concave mirror and to find the focal length.
2. To find the focal length of a convex mirror, using a convex lens.
3. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
4. To find the focal length of a concave lens, using a convex lens.
5. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
6. To determine refractive index of a glass slab using a travelling microscope.
7. To find refractive index of a liquid by using convex lens and plane mirror.
8. To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias.
9. To draw the characteristic curve of a zener diode and to determine its reverse break down voltage.
10. To study the characteristic of a common - emitter npn or pnp transistor and to find out the values of current and voltage gains.

Activities (For the purpose of demonstration only)

- ❖ To identify a diode, an LED, a transistor, an IC, a resistor and a capacitor from a mixed collection of such items.
- ❖ Use of multi-meter to (i) identify base of transistor, (ii) distinguish between npn and pnp type transistors, (iii) see the unidirectional flow of current in case of a diode and an LED, (iv) check whether a given electronic component (e.g., diode, transistor or IC) is in working order.
- ❖ To study effect of intensity of light (by varying distance of the source) on an LDR.
- ❖ To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
- ❖ To observe polarization of light using two Polaroids.
- ❖ To observe diffraction of light due to a thin slit.
- ❖ To study the nature and size of the image formed by a (i) convex lens, (ii) concave mirror, on a Screen by using a candle and a screen (for different distances of the candle from the lens/mirror).
- ❖ To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.

Suggested Investigatory Projects:

1. To study various factors on which the internal resistance/EMF of a cell depends.

2. To study the variations in current flowing in a circuit containing an LDR because of a variation in (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance). (b) the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.
3. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equi-convex lens (made from a glass of known refractive index) and an adjustable object needle.
4. To design an appropriate logic gate combination for a given truth table.
5. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self designed transformer.
6. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow
7. prism filled one by one, with different transparent fluids.
8. To estimate the charge induced on each one of the two identical styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
9. To set up a common base transistor circuit and to study its input and output characteristic and to calculate its current gain.
10. To study the factor on which the self inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
11. To construct a switch using a transistor and to draw the graph between the input and output voltage and mark the cut-off, saturation and active regions.
12. To study the earth's magnetic field using a tangent galvanometer.

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XII**SUBJECT: CHEMISTRY**

Unit No.	Title	No. of Periods	Marks
Unit I	Solid State	10	23
Unit II	Solutions	10	
Unit III	Electrochemistry	12	
Unit IV	Chemical Kinetics	10	
Unit V	Surface Chemistry	08	
Unit VI	General Principles and Processes of Isolation of Elements	08	19
Unit VII	p-Block Elements	12	
Unit VIII	d- and f- Block Elements	12	
Unit IX	Co-ordination Compounds	12	
Unit X	Haloalkanes and Haloarenes	10	28
Unit XI	Alcohols , Phenols and Ethers	10	
Unit XII	Aldehydes , Ketones and Carboxylic Acids	10	
Unit XIII	Organic Compounds Containing Nitrogen	10	
Unit XIV	Biomolecules	12	
Unit XV	Polymers	08	
Unit XVI	Chemistry in Everyday Life	06	
	Total	160	70

Month	No of periods	Units to be covered	Sub units to be covered	periods	Practicals to be completed
APRIL / JUNE 2017	24 (Th) 08 (Pr)	Unit 1: Solid State	Classification of solids based on different binding forces: molecular, ionic, covalent and metallic solids, amorphous and crystalline solids (elementary idea), Unit cell in two dimensional and three dimensional lattices, calculation of density of unit cell, packing in solids, packing efficiency, voids, number of atoms per unit cell in a cubic unit cell, point defects, electrical and magnetic properties. Band theory of metals, conductors, semiconductors and insulators an n and p type semi conductors.	10	Expt No. 1,2,3 & 4 UNIT TEST-1
		Unit 2: Solutions	Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, colligative properties - relative lowering of vapour pressure, Raoult's law, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.	10	
		Unit 3: Electrochemistry	Redox reactions, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration.	04	
July 2017	26 (Th) 08 (Pr)	Unit 3: Electrochemistry (Continuation)	Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell - electrolytic cells and Galvanic cells, lead accumulator, EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells, Relation between Gibbs energy change and EMF of a cell, fuel cells, corrosion.	08	Expt No. 5,6,7 & 8 UNIT TEST-2
		Unit 4: Chemical Kinetics	Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction, rate law and specific rate constant, integrated rate equations and half life (only for zero and first order reactions), concept of collision theory (elementary idea, no mathematical treatment), Activation energy, Arrhenius equation.	10	
		Unit 5: Surface Chemistry	Adsorption - Physisorption and chemisorption, factors affecting adsorption of gases on solids, catalysis, homogeneous and heterogeneous; activity and selectivity ; enzyme catalysis, colloidal state, distinction between true solutions, colloids and suspension; lyophilic , lyophobic, multi-molecular and macromolecular colloids; properties of colloids; Tyndall effect, Brownian movement, electrophoresis, coagulation, emulsion - types of emulsions.	08	

August 2017	24 (Th) 08 (Pr)	<p>Unit 6 : General Principles and Processes of Isolation of Elements</p> <p>Unit 7: P – Block elements</p> <p>Unit 8: d & f – Block elements</p>	<p>Principles and methods of extraction – concentration, oxidation, reduction, electrolytic method and refining. Occurrence and principles of extraction of Aluminium, Copper, Zinc and Iron.</p> <p>Group-15 Elements: General introduction, electronic configuration, occurrence, oxidation states, trends in physical and chemical properties; Nitrogen – preparation, properties and uses, compounds of nitrogen - preparation and properties of Ammonia and Nitric acid, Oxides of nitrogen (structure only), Phosphorous - allotropic forms, compounds of phosphorous - preparation and properties of Phosphine, Halides and Oxoacids (elementary idea only).</p> <p>Group-16 Elements: General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties, Dioxygen – Preparation, Properties and Uses, classification of oxides, Ozone, Sulphur -allotropic forms; compounds of sulphur – Preparation, Properties and Uses of Sulphurdioxide, Sulphuric acid - industrial process of manufacture, properties and uses, Oxoacids of sulphur (Structures only).</p> <p>Group-17 Elements: General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties; compounds of halogens, Preparation, Properties and Uses of Chlorine and Hydrochloric acid, Interhalogen compounds, Oxoacids of halogens (structures only).</p> <p>Group 18 Elements: General introduction, electronic configuration, occurrence, trends in physical and chemical properties, uses.</p> <p>General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first row transition metals - metallic character, ionization enthalpy,</p>	08	<p>Expt No. 9, & 10</p> <p>UNIT TEST-3</p>
	12			04	
01 to 12 September 2017	8 (Th) 04 (Pr)	Unit 8: d & f – Block elements (Continueation)	<p>General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first row transition metals - metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation, preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$.</p> <p>Lanthanoids - Electronic configuration, oxidation states and lanthanoid contraction.</p> <p>Actinoids - Electronic configuration, oxidation states.</p> <p>Revision of Units 1 to 8 for Term Test – I Sept 2017</p>	08	<p>Expt No. 11 & 12</p> <p>TERM TEST-1</p>

<p>25.09.2017 to 31.10. 2017 (Winter bound JNVs) / 10 days retention period during Autumn Break + period between 22.10.2017 to 31.10.2017 for other JNVs</p>	<p>32 (Th) 10 (Pr)</p>	<p>Unit 9: Co-ordination compounds</p> <p>Unit 10 : Haloalkanes and Haloarenes</p> <p>Unit 11: Alcohols , Phenols and Ethers</p>	<p>Coordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's Theory, VBT and CFT, structural and stereoisomerism, importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).</p> <p>Haloalkanes: Nomenclature, nature of C-X bond, physical and chemical properties, mechanism of substitution reactions, optical rotation.</p> <p>Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).</p> <p>Uses and environmental effects of – dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.</p> <p>Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration, uses with special reference to methanol and ethanol.</p> <p>Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.</p> <p>Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses.</p>	<p>12</p> <p>10</p> <p>10</p>	<p>Expt No. 13, 14, 15, 16 & 17</p>
<p>November 2017</p>	<p>32 (Th) 10 (Pr)</p>	<p>Unit 12: Aldehydes , Ketones ,and Carboxylic acids</p> <p>Unit 13: Organic Compounds Containing Nitrogen</p> <p>Unit 14: Biomolecules</p>	<p>Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses.</p> <p>Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical Properties, uses.</p> <p>Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.</p> <p>Cyanides and Isocyanides - will be mentioned at relevant places in text. Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.</p> <p>Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), oligosaccharides (sucrose, lactose and maltose), polysaccharides (Starch, Cellulose and Glycogen) importance of carbohydrates.</p> <p>Proteins - Elementary idea of amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins, enzymes, Hormones – Elementary idea excluding structure, Vitamins - Classification and functions.</p> <p>Nucleic Acids: DNA and RNA.</p>	<p>10</p> <p>10</p> <p>12</p>	<p>Expt No. 18, 19, 20 & 21</p> <p>Investigatory Project</p> <p>UNIT TEST-4</p>

01 Dec 2017 to 07 Dec 2017	14 (Th)	Unit 15: Polymers	Classification - natural and synthetic, methods of polymerization (addition and condensation), Copolymerization, some important polymers: natural and synthetic like polythene, nylon, polyesters, bakelite, rubber. Biodegradable and non-biodegradable polymers.	08	
		Unit 16: Chemistry in Every day life	Chemicals in medicines - analgesics, tranquilizers antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, antihistamines. Chemicals in food – preservatives, artificial sweetening agents, elementary idea of antioxidants. Cleansing agents - soaps and detergents, cleansing action. Extra classes have be arranged to complete the syllabus before Pre-Board-I December 2017.	06	
	16.12.2017 to 31.12.2017		Self Revision by students during winter break (Winter Bound JNVs) Revision (Other JNVs)		PB-1
	January 2018		Revision for Pre-Board-II January 2017 Completion of Practical Record + Project Work Conduct of Model Practical Exam at JNV level.		PB-2
February 2018			Conduct of Practical Exam (Board) Revision Preparation for Board Exams		

PRACTICALS SYLLABUS

Ex. No	Experiment	Periods
1	Preparation of one lyophilic and one lyophobic sol Lyophilic sol - starch, egg albumin and gum Lyophobic sol - aluminum hydroxide, ferric hydroxide, arsenous sulphide.	2
2	Study of the role of emulsifying agents in stabilizing the emulsion of different oils.	2
3	Effect of concentration and temperature on the rate of reaction between sodium thiosulphate and hydrochloric acid.	2
4	Study of reaction rates of Reaction between potassium iodate (KIO_3) and sodium sulphite (Na_2SO_3) using starch solution as indicator (clock reaction).	2
5	Variation of cell potential in $\text{Zn}/\text{Zn}^{2+} \parallel \text{Cu}^{2+}/\text{Cu}$ with change in concentration of electrolytes, (CuSO_4 or ZnSO_4) at room temperature.	2
6	Separation of i) pigments from extracts of leaves and flowers or mixture of red & blue ink by paper chromatography and determination R_f values.	2
7	Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum.	2
8	Preparation of any one of the following organic compounds. i) Acetanilide, ii) Dibenzal Acetone, iii) p-nitroacetanilide, iv) Aniline yellow.	2
9	Test for Functional Groups present in Organic Compounds: Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups.	6
10	Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given food stuffs.	2
11	Determination of molarity of KMnO_4 by titrating it against a standard solution of FAS.	2
12	Determination of molarity of KMnO_4 by titrating it against a standard solution of oxalic acid.	2
13	Salt Analysis – 1 (NH_4^+) – Zero Group cation	2
14	Salt Analysis – 2 (Pb^{2+}) – First Group cation	2
15	Salt Analysis – 3 (Cu^{2+}) – Second Group cation; Hg^{2+} / Cd^{2+} Optional	2

16	Salt Analysis – 4 (Al^{3+}) – Third Group cation; Fe^{2+} / Fe^{3+} Optional	2
17	Salt Analysis – 5 (Zn^{2+}) – Fourth Group Cation; Co^{2+} / Ni^{2+} / Mn^{2+} Optional	2
18	Salt Analysis – 6 (Ba^{2+}) – Fifth Group Cation	2
19	Salt Analysis – 7 (Ca^{2+}) – Fifth Group Cation	2
20	Salt Analysis – 8 (Sr^{2+}) – Fifth Group Cation	2
21	Salt Analysis – 9 (Mg^{2+}) – Sixth Group Cation	2
1. Select the salt in such a way that important anions like Cl^- , Br^- , CO_3^{2-} , SO_4^{2-} , NO_3^- , PO_4^{3-} , CH_3COO^- are covered. 2. Students should not carry the impression that a fixed combination of cation and anion will be given for practical examination also. 3. Insoluble salts should not be given, except carbonates and phosphates.		

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT-UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XII

SUBJECT: BIOLOGY (044)

THEORY (70 MARKS)

UNIT NO	TITLE OF THE UNIT	MARKS ALLOCATION
1	SEXUAL REPRODUCTION	14
2	GENETICS AND EVOLUTION	18
3	BIOLOGY AND HUMAN WELFARE	14
4	BIOTECHNOLOGY AND ITS APPLICATIONS	10
5	ECOLOGY AND ENVIRONMENT	14
TOTAL MARKS		70

PRACTICAL (30 MARKS)

SL.NO	EVALUATION SCHEME	MARKS
1	One major experiment	5Marks
2	One Minor Experiment	4 Marks
3	Slide Preparation	5 Marks
4	Spotting	7 Marks
5	Practical Record and Viva Voce	4 Marks
6	Project Record and Viva Voce	5 Marks
Total		70 marks

MONTH WISE PLAN

MONTH	UNIT/ CHAPTERS / SUB TOPICS	PERIODS/ EVALUATION	EXPERIMENTS	SPOTTERS
A P R I L / J U N E	<p><u>Unit – I : Reproduction</u> 1.Reproduction in organisms : A characteristic feature of all organism for the continuation of a species-asexual reproduction , modes of reproduction – Binary fission ,sporulation ,budding , gemmule formation , fragmentation,vegetative propagation in plants .</p> <p>2.Sexual reproduction in flowering plants;- Flower structure , development of male and female gametophytes , pollination – Types , agents and examples ; Out breeding devices , pollen -pistil interaction ; Double fertilization ; post fertilization events , Development of endosperm and embryo ,Development of Seed and formation of Fruit ;Special modes- apomixis ,partheno carpy , poly embryony , Significance of seed and fruit formation .</p> <p>3.Human reproduction : Male and female reproductive system ,Microscopic anatomical study of testis and ovary ; gametogenesis both Spermatogenesis and oogenesis. Mestruual cycle ;Fertilization ,embryo development up to blastosyst formation ,implantation ; pregnancy and placeta formation ,role of hormone in female for sexual cycle (basic idea) Partiurition (Basic</p>	<p>35 periods</p> <p>UT -1</p>	<p>1. Study of pollen germination on cavity slide</p> <p>2. Pollen germination on stigma.</p> <p>3.Excercise on controlled pollination ; Emasculation ,tagging and bagging</p>	<p>1, Study the characters of different flowers adapted to various pollinating agents like wind ,insects ,water etc</p> <p>2. Study of the different stages of gamete development like T S of ovary and testis by using permanent slides.</p> <p>3. Study of TS of blastula through Permanent slide</p>

	idea);lactation(basic idea). 4.Reproductive health: need for reproductive health and prevention of sexually transmitted diseases (STD); birth control-need and methods , contraception and medical termination of pregnancy(MTP); aminocentesis; infertility and assisted reproductive technologies-IVF,ZIFT,GIFT(basic idea for general awareness).		
J U L Y	<u>Unit – II Genetics and Evolution :</u> 5.Principles of inheritance and variation; Mendelian inheritance; deviations from Mendelism-incomplete dominance,co-dominance,multiple alleles and inheritance of blood groups, pleiotropy; elementary idea of polygenic inheritance; chromosome theory of inheritance; chromosomes and genes; sex determination-in humans,birds and honeybee;linkage and crossing over Sex linked inheritance like haemophilia, colour blindness; mendelian disorder in human beings - thalassemia; chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes.	30 Periods UT-2	4.Study of the different stages of meiosis through permanent slides 4.Study of Mendelian inheritance using seeds of different colour of any plant 5.Study of prepared pedigree charts
A U G U S T	<u>Unit – II Genetics and Evolution (contd..)</u> 6.Molecular basis of inheritance: search for genetical material and DNA as genetical material; structure of DNA and RNA ;DNA packaging; DNA replication;Central dogma; transcription,genetic code, translation; gene expression and regulation Lac Operon ; Genome and human genome project;DNA finger printing. 7.Evolution: origin of life; biological evolution and evidences for biological evolution (paleontology ,comparative anatomy,embryology and molecular evidence); Darwin's contribution, modern synthetic theory of evolution; mechanism of evolution variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift;Hardy-Weinberg's principle; adaptive radiation; human evolution. Rice Genome Project	20 periods UT- 3	5. Prepare a temporary mount of onion root tip to study mitosis 6. Extraction of DNA from Onion peel/any other plant material 7.Study the effect of different temperature and PH on the activity of salivary amylase on starch
S E P T E M B E R	<u>Unit – III Biology and Human welfare:</u> 8.Human Health and disease: pathogens; parasites causing human diseases (Malaria,Filarisis,Ascariasis,Typhoid,Pneumonia,c ommon cold,Amoebiasis, Ring worm); Basic concepts of immunology vaccines; cancer, HIV and AIDs; Adolescence, drug and alcohol abuse. 9.Strategies for enhancement in food production: Plant breeding, tissue culture, single cell protein, Biofortification,Apiculture and Animal husbandary Antibiotics production and judicious use	20 periods TERM TEST -1 (Sept 14-24)	8 Collect and study soil samples from three different sites and study them for texture , moisture content , Ph and waterholding capacity of the sample soil. Correlate with the the kinds of plants found in them 6.Identify some common disease causing organism like Ascaris , Entamoeba,Plasmodium ,ring worm , ect and comment on symptoms of the diseases that they cause through permanent slides or specimens
O C	<u>Unit – III Biology and human welfare (contd...)</u> 10.Microbes in human welfare: Household food		9. Study of pH and organisms in the

T O B E R	processing , industrial production, sewage treatment, energy conservation and as bio-control agents and bio fertilizers.Antibiotics; production and judicious use.	08 Periods	water bodies. 10. Study the clarity of the water samples. 11. Study of the suspended particles in the air at differently two sites.	
N O V E M B E R	<p><u>Unit – IV Biotechnology</u></p> <p>11.Principles and process of biotechnology: genetic engineering(recombinant DNA technology).</p> <p>12. Applications of biotechnology: in health and agriculture: human insulin and vaccine production, gene therapy; genetically modified organism-Bt cops; transgenic animals; bio safety issues,biopiracy and patents.</p> <p><u>Unit – V Ecology</u></p> <p>13. Organisms and Populations: habitat and niche, population and ecological adaptations; population interactions -mutualism, competition,predation, parasitism; population attributes-growth,birth rate and death rate,age distribution.</p> <p>14.Ecosystems: patterns,components;productivity and decomposition;energy flow; pyramids of number,biomass,energy;nutrient cycles(carbon and phosphorous); ecological succession; ecological services- carbon fixation,pollination, oxygen release.</p> <p>15.Biodiversity and its conservation: concept of biodiversity; patterns of biodiversity; importance of biodiversity; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms,Extinction, Red Data Book, biosphere reserves, national parks and sanctuaries.</p> <p>16.Environmental issues: Air pollution and its control; water pollution and its control; agrochemicals and its effects; solid waste management; radioactive waste management; greenhouse effect and global warming; ozone depletion; deforestation; any three case studies as success stories Addressing environmental issues.</p>	<p>20 Periods</p> <p>UT - 4</p>	<p>12.Study of plant population density by quadrate method</p> <p>13. Study of plant population frequency by quadrate method.</p>	<p>7. Study of plants and animals and comment upon their adaptation – mophological ,behavioural and physiological</p> <p>8.Study animals and plants from aquatic ,xerophytic environment</p>
December -REVISION AND Pre-Board Exam -1				
January - REVISION AND Pre-Board Exam -2				
February - Model practical examination				
Board practical Examination				
MARCH : BOARD EXAMINATION				

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS: XII**SUBJECT: ACCOUNTANCY (CODE 055)**

PART- A	ACCOUNTING FOR PARTNERSHIP FIRMS AND COMPANIES	MARKS	NO. OF PERIODS
Unit- 1	Accounting for Partnership Firms	35	90
Unit -2	Accounting for Companies	25	60
	Total	60	150
Part - B	Financial Statement Analysis		
Unit- 3	Analysis of Financial Statements	12	30
Unit- 4	Cash Flow Statement	08	20
	Total	20	50
Part - C	Project Work	20	40
	Project work will include: Project File	04	
	Written Test (One Hour)	12	
	Viva Voce	4	

MONTH	UNIT	NAME OF UNIT	MARKS	PERIOD §
		PART A: Accounting for Partnership Firms and Companies	35	90
April/ June	UNIT-1	Accounting for Partnership firms – Fundamentals: <ul style="list-style-type: none"> • Partnership: features, Partnership deed. • Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. • Fixed v/s fluctuating capital accounts, division of profit among partners, guarantee of profits, past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio), and preparation of P&L Appropriation account. • Goodwill: nature, factors affecting and methods of valuation - average profit, super profit and capitalization Scope: <i>Interest on partner's loan is to be treated as a charge against profits.</i>		
		I – Unit Test April / June 2017		
July	UNIT-1	Accounting for Partnership firms -		
		Reconstitution and Dissolution <ul style="list-style-type: none"> • Change in the Profit Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio. Accounting for revaluation of assets and re-assessment of liabilities and treatment of reserves and accumulated profits. Preparation of revaluation account and balance sheet • Admission of a partner - effect of admission of a partner on change in the profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and re –assessment of liabilities, treatment of reserves and accumulated profits, adjustment of capital accounts and preparation of balance sheet • Retirement and death of a partner: effect of retirement /death of a partner on change in profit sharing ratio, treatment of goodwill(as per AS 26) treatment for revaluation of assets and re -assessment of liabilities, adjustment of accumulated profits and reserves adjustment of capital accounts and preparation of balance sheet. Preparation of Loan account of the retiring partner. Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account, executor's account and preparation of balance sheet <ul style="list-style-type: none"> • Dissolution of partnership firms: types of dissolution of firm. Settlement of accounts -preparation of realization account, and other related accounts (excluding piecemeal distribution, sale to a company and insolvency of partner(s)). Note: <ol style="list-style-type: none"> The realized value of each asset must be given at the time of dissolution. In case, the realization expenses are borne by a partner, clear indication should be given Regarding the payment thereof. 		
		II – Unit Test July 2017		
Aug.	Unit -2	Accounting for Companies	18	38
		(A) Accounting for share Capital <ul style="list-style-type: none"> • Share and share capital : nature and types • Accounting for share capital: issue and allotment of equity shares, private placement of shares, Employee Stock Option Plan (ESOP) Public subscription of shares - over subscription and under subscription of shares; Issue at par and at premium, calls in advance and arrears(Excluding interest), issue of shares for consideration other than cash.		

		<p>The concept of Private Placement</p> <ul style="list-style-type: none"> • Accounting treatment of forfeiture and re-issue of shares. • Disclosure of share capital in company's Balance Sheet. <p>(B) Accounting for Debentures</p> <p>Debentures: Issue of debentures at par, at a premium and at a discount. The issue of debentures for consideration other than cash; the issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures.</p> <p>Redemption of debentures for immediate Cancellation: Lump sum, draw of lots, purchase in the open market (excluding ex-interest and cum-interest) and conversion. Creation of Debenture Redemption Reserve.</p> <p>Conversion method.</p>		
		III – Unit Test August 2017		
		Part B: Financial Statement Analysis		
Sept.	Unit -3	<p>Unit 3: Analysis of Financial Statements</p> <p>Financial statements of a company: Statement of Profit and Loss and Balance Sheet in the prescribed form with major headings and subheadings (as per Schedule III to the Companies Act, 2013).</p> <p>Scope: Exceptional items, extraordinary items and profit (loss) from discontinued operations are excluded.</p> <p>Financial Statement Analysis:</p> <p>Objectives, importance, and limitations.</p> <p>Tools for Financial Statement Analysis:</p> <p>Comparative statements, common size statements, cash flow analysis, ratio analysis. Accounting Ratios: Objectives, classification, and computation.</p> <ul style="list-style-type: none"> • Liquidity Ratios: Current ratio and Quick ratio. • Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. • Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio and Working Capital Turnover Ratio. • Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on investment. 	12	24
		Term Test – I (14th to 24th Sept.2017)		
Oct. / Nov.	Unit - 4	<p>Cash Flow Statement</p> <p>Meaning, objectives, and preparation (as per AS 3 (Revised) (Indirect Method only)</p> <p>Scope:</p> <p>(i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets o develop the understanding of preparation including investments, dividend (both final of Cash Flow Statement using indirect method and interim) and tax.</p> <p>(ii) Bank overdraft and cash credit to be treated as short-term borrowings.</p> <p>(iii) Current investments to be taken as Marketable securities unless otherwise specified. Unit Test- IV November 2017</p>	08	20
Dec.		<p>Part-C Project work</p> <ul style="list-style-type: none"> • Kindly refer to the Guidelines published by the CBSE. 	20	42
Dec.		<p>Pre- Board –I (1st to 2nd week Dece. 2017)</p> <p>➤ Revision work</p>		
Jan. 2018		<p>Pre- Board –II 18th to 31st Jan. 2018</p> <p>➤ Revision work</p>		
Feb. 2018		Revision work		
March		Board Exam		

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NAVODAYA VIDYALAYA SAMITI
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017 -18

CLASS: XII**SUBJECT: BUSINESS STUDIES (Code No. 054)**

PART – A	PRINCIPLES AND FUNCTIONS OF MANAGEMENT	MARKS	NO OF PERIODS
Unit 1:	Nature and Significance of Management	16	14
Unit 2 :	Principles of Management		14
Unit 3 :	Business Environment		12
Unit 4 :	Planning	14	14
Unit 5 :	Organizing		18
Unit 6 :	Staffing	20	16
Unit 7:	Directing		18
Unit 8 :	Controlling		14
	TOTAL	50	120
Part – B	Business Finance and Marketing		
Unit 9 :	Financial Management	15	22
Unit 10 :	Financial Markets		20
Unit 11 :	Marketing Management	15	32
Unit 12 :	Consumer Protection		16
Part – C	Project Work	20	30
	TOTAL	50	120

MONTH	UNIT	NAME OF UNIT	MARKS	NO. OF PERIODS
		Part A: Principles and Functions of Management		
April / June	Unit-1	Nature and significance of Management <ul style="list-style-type: none"> ➤ Management- concept, objectives and importance ➤ Management as Science, Art and Profession. ➤ Levels of management. ➤ Management functions- planning, organizing, staffing, directing and controlling. ➤ Coordination- concept, characteristics and importance. 	16	14
	Unit-2	Principles of Management <ul style="list-style-type: none"> ➤ Principles of Management- concept, nature and significance. ➤ Fayol's principles of management. ➤ Taylor's Scientific Management- principles and techniques. 		14
	Unit-3	Management and Business Environment <ul style="list-style-type: none"> ➤ Business Environment - concept and importance. ➤ Dimensions of Business Environment- Economic, Social, Technological, Political and Legal 		12
		Unit Test – I April/ June 2017		
July	Unit-4	Planning <ul style="list-style-type: none"> ➤ Concept, importance and limitations ➤ Planning process ➤ Single use and Standing Plans- Objectives, Strategy, Policy, Procedure, Method, Rule, budget and Programme 	14	14
July	Unit-5	Organizing <ul style="list-style-type: none"> ➤ Concept and importance . ➤ Organizing Process . ➤ Structure of organization- functional and divisional Concept. ➤ Formal and informal organization concept. ➤ Delegation: concept, elements and importance . ➤ Decentralization: concept and importance. 		18
		Unit Test – II July 2017		

August	Unit-6	Staffing <ul style="list-style-type: none"> ➤ Concept and importance of staffing. ➤ Staffing as a part of Human Resource Management ➤ Staffing process : <ul style="list-style-type: none"> • Recruitment - sources • Selection – process. ➤ Training and Development- Concept and importance , Methods of training- on the job and off the job- Induction training, vestibule training, apprenticeship training and internship training. 	20	16
August	Unit-7	Directing <ul style="list-style-type: none"> ➤ Concept and importance. ➤ Elements of Directing Supervision - concept, function of a supervisor. Motivation - concept, Maslow's hierarchy of needs; Financial and non-financial incentives. Leadership - concept, styles - authoritative, democratic and laissez faire. Communication - concept , formal and informal Communication; barriers to effective communication, how to overcome the barriers.		18
		Unit Test – III August 2017		
Sept.	Unit -8	Controlling <ul style="list-style-type: none"> ➤ Concept, nature and importance. ➤ Relationship between planning and Controlling. ➤ Steps in the process of control 		
		Term Test – I (14th to 24th Sept.2017)		
		Part B : Business Finance and Marketing		
Oct./ Nov.	Unit -9	Financial Management <ul style="list-style-type: none"> ➤ Concept and objectives of financial management ➤ Financial decisions : investment, financing and dividend and factors affecting. ➤ Financial planning- concept and importance. ➤ Capital Structure- concept. ➤ Fixed and Working Capital- concept and factors affecting their requirements. 	15	22
Oct./ Nov.	Unit -10	Financial Markets <ul style="list-style-type: none"> ➤ Financial Markets: concept and types . ➤ Money market and its instruments . ➤ Capital market and its types (primary and secondary). ➤ Stock Exchange- functions and trading procedure. ➤ Securities and Exchange Board of India (SEBI)- objectives and functions. 		20
Oct./ Nov.		Marketing Management <ul style="list-style-type: none"> ➤ Selling and Marketing- concept. ➤ Marketing management –concept , Marketing Functions. Marketing management Philosophies ➤ Marketing Mix– concept and elements 		32

		<ul style="list-style-type: none"> - Product - concept, branding, labeling and packaging - Price - concept, factors determining price. - Physical distribution- concept and components, channels of distribution: types, choice of channels. - Promotion -concept and elements; Advertising- concept, role, objections against advertising, Personal selling – concept and qualities of a good salesman, Sales promotion – concept and techniques, Public relations - concept and role. 		
Oct./ Nov.		Consumer Protection <ul style="list-style-type: none"> ➤ Concept and importance of consumer protection . ➤ Consumer Protection Act 1986 <ul style="list-style-type: none"> - Meaning of consumer and consumer protection. - Rights and responsibilities of consumers - Who can file a complaint and against whom? - Redressal machinery.- Remedies available. ➤ Consumer awareness- Role of consumer organizations and NGO's 	15	16
Nov.		Unit Test- VI November 2017		
Dec.		Part-C Project work <ul style="list-style-type: none"> • Kindly refer to the Guidelines published by the CBSE. 	20	30
Dec.		Pre- Board –I 1st to 2nd week of Dec. 2017 <ul style="list-style-type: none"> ➤ Revision work 		
Jan. 2018		Pre- Board –II 18th to 31th Jan. 2018 <ul style="list-style-type: none"> ➤ Revision work 		
Feb. 2018		Revision work		
March 2018		Board Exam		

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017 -18

CLASS: XII

SUBJECT: ECONOMICS (Code No. 030)

UNIT	NAME OF UNIT	MARKS	NO. OF PERIODS
Part - A	Introductory Microeconomics		
Unit - 1	Introduction	4	8
Unit - 2	Consumer's Equilibrium and Demand	13	32
Unit - 3	Producer Behaviour and Supply	13	32
Unit - 4	Forms of Market and Price Determination under perfect competition with simple applications	10	28
	Total	40	100
Part - B	Introductory Macroeconomics		
Unit - 5	National Income and Related Aggregates	10	28
Unit - 6	Money and Banking	6	15
Unit - 7	Determination of Income and Employment	12	27
Unit - 8	Government Budget and the Economy	6	15
Unit - 9	Balance of Payments	6	15
	Total	40	100
Part -C	Project Work • <i>Kindly refer to the Guidelines published by the CBSE</i>		
1	Relevance of the topic	3	
2	Knowledge Content/Research Work	6	
3	Presentation Technique	3	
4	Viva	8	
	Total	20	

MONTH	UNIT	NAME OF UNIT	MARKS	No. OF PERIODS
April/ June	Unit-1	Introduction Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost	4	8
	Unit-2	Consumer's Equilibrium and Demand Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium. Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand – factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method.	13	32
		Unit Test – I April/ June 2017		
July	Unit-3	Producer Behaviour and Supply Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor Cost: Short run costs - total cost, total fixed cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships. Revenue - total, average and marginal revenue - meaning and their relationship. Producer's equilibrium-meaning and its conditions in terms of marginal revenue-marginal cost. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.	13	32
		Unit Test – II July 2017		
August	Unit-4	Forms of Market and Price Determination under Perfect Competition with simple applications. Perfect competition - Features; Determination of market	10	28

		<p>equilibrium and effects of shifts in Demand and supply.</p> <p>Other Market Forms - monopoly, monopolistic competition, oligopoly - their meaning and features.</p> <p>Simple Applications of Demand and Supply: Price ceiling, price floor.</p>		
		Unit Test – III August 2017		
Aug./ Sept.	Unit-5	<p>National Income and Related Aggregates Some basic concepts: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.</p> <p>Circular flow of income (two sector model); Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method.</p> <p>Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) - at market price, at factor cost; Real and Nominal GDP. GDP and Welfare</p>	10	28
		Term Test – I (14th to 24th Sept.2017)		
Sept./ Oct./ Nov.	Unit -6	<p>Money and Banking Money - meaning and supply of money - Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement.</p>	6	15
Oct./Nov	Unit -7	<p>Determination of Income and Employment Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal). Short-run equilibrium output; investment multiplier and its mechanism. Meaning of full employment and involuntary unemployment. Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply.</p>	12	27
Oct./Nov	Unit -8	<p>Unit 8: Government Budget and the Economy Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; classification of expenditure – revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, primary deficit their meaning.</p>	6	15

Oct./Nov	Unit -9	Balance of Payments Balance of payments account - meaning and components; balance of payments deficit-meaning. Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market	6	15
		Unit Test – IV November 2017		
Dec.		Part-C Project work • Kindly refer to the Guidelines published by the CBSE.	20	20
Dec.		Pre- Board –I 1st to 2nd week of Dec. 2017 ➤ Revision work		
Jan. 2018		Pre- Board –II, 18th to 31th Jan. 2018 ➤ Revision work		
Feb. 2018		Revision work		
March		Board Exam		

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS XII**SUB: HISTORY**

S.NO.	MONTH	NO. DAYS	PERIODS	UNITS/SUB UNITS	OBJECTIVES	UT/TT
1	APRIL/JUNE 2017	24	36	UNIT – THEME 1 AND 2 1. BRICKS, BEADS AND BONES. THE HARAPPAN CIVILISATION a. The storey of first cities-harapan Archeology – Excerpts – archeological report on major sited. b. Functions of artifacts and the end of civilization 2. KINGS FARMERS AND TOWNS EARLY STATES AND ECONOMIES a. Political and economic history from mauryan to th gupta period b. Decipherment of the Script. c. Excerpts – Ashokan inscriptions and Gupta land grant. Discussion – Interpretation of inscriptions by historians. Unit II THEME 3, 4 AND 5. 3. KINGSHIP CASTE AND CLASS a. Social histories using the Mahabharata b. Issues in social history including caste, class, kinship, gender.	<ul style="list-style-type: none"> Familiarize the learner with early urban centres, illustrate archeological reports. Familiarize the learner with major trends in the political and economic history of the subcontinent Inscriptional analysis. 	
2	July 2017	25	36	4. THINKERS BELIEF AND BUILDINGS CULTURAL DEVELOPMENT a. Budhism sanchi stupa review of religious histories of Vedic religion, Jainism,Shaivism Budhism b. Excerpts reproduction of sculptures from Sanchi Interpretation of sources to reconstruct the history of Buddhism. PART II 5. THROUGH THE EYES OF TRAVELLERS : PERCEPTIONS OF SOCIETY a. Medieval Society through Traveler accounts- social and cultural life. b. Excerpts from alberumi Ibn batuta bernier c. Discussion on how travel accounts interpreted by historians THEME 6,7 AND 8. 6. BHAKTI-SUFI TRADITIONS CHANGES IN RELIGIOUS BELIEF AND DEVOTIONAL TEXTS a. Board overview religious developments ideas and practices of Bhakti and sufi saints b. Story of transmissions Bhakti and Sufi Composition preservations Excerpts from Bhakti and Sufi works.	<ul style="list-style-type: none"> Familiarise the learner with issues in social history introduce strategies of ttextual in reconstructing social history. Discussion on major religious development. Familiarise the learner with Salient features of social histories described by travelers. Discussion on how travelers accounts can be used as source of social history 	UT-1

3	AUGUST 2017	24	36	<p>7. AN IMPERIAL CAPITAL VIJAYNAGARA</p> <p>a. New architecture Hampi outline of new buildings during Vijaynagar period-Temples forts irrigation architecture and political system. How hampi was found Excerpts Hampi building</p> <p>b. Discussion on Structures.</p> <p>8. PEASANTS ZAMINDARS AND THE STATE Agrarian Society and The Mughal Empire</p> <p>a. Agrarian Relations – Ain I akbari</p> <p>b. Structure of Agrarian relations in the 16th and 17th Centuries. Compilations and translation of Ain I Akbari</p> <p>c. Discussion how historians used text to reconstruct history in agrarian society.</p> <p>9. KINGS AND CHRONICLES THE MOGHAL COURTS</p> <p>a) Moghal courts and Chronicles</p> <p>b) Outline of Political History of 15th to 17th Centuries. Excerpts Akbar Nama and Badshah Nama</p> <p>c) Account on the production of Courts Chronicles Translation and Transmission</p> <p>d) Discussion on how historian have used the texts to reconstruct the political histories</p>	<ul style="list-style-type: none"> • Familiarise the learner with religious developments • Discussion on ways of analyzing devotional literature as source of history • Discussion on developments in agrarian relations • Discussion on official documents with other sources 	UT-2
4	SEPTEMBER 2017	13	22	<p>10. COLONIALISM AND THE COUNTRYSIDE : Exploring official Archives</p> <p>a. Broad overview</p> <p>b. Life of Zamindars, peasants and artisans in the late 18th Century</p> <p>c. East India Company and revenue settlements and surveys.</p> <p>d. Changes in the 18th Century types of record and reports produced Excerpts 5th report accounts of Francis backhanan Hemilton Deccan riots reports.</p> <p>11. REBELS AND THE RAJ : 1857 revolt and its representations</p> <p>a. Records of events and narration</p> <p>b. Focus on lucknow Excerpts of pictures off 1857- extracts from contemporary accounts. Discussion – how pictures shaped British opinion of what had happened.</p>	<ul style="list-style-type: none"> • Familiarize learner with the major landmarks in political history • Chronicles and sources to reconstruct the histories of Political Institutions. • Familiarise learner with buildings that were built during the time • Discussion on architecture to reconstruct history. • Colonialism effect on Zamindars Peasants and artisans. • Problems and limits of using official sources to understand the lives of peoples. 	UT-3 TT-1 (14-24-SEPT2017)

5	OCTOBER 2017	07	12	12. COLONIAL CITIES : a. Urbanization planning and Architecture – Colonialism and Indian Town's b. Town Planning and municipal reports – growth of Mumbai Chennai and Kolkata as towns. c. Hill stations and cantonments in the 18 th and 19 th Centuries – Focus on Kolkata town planning Excerpts Photographs painting town planning reports sources to reconstruct town planning.	<ul style="list-style-type: none"> • Discussion on how the events of 1857 are being interpreted. • How visual materials can be used by historians • Familiarise learner with the history of modern urban centers. • Sources of colonial cities viz Calcutta Bombay and Madras. 	
6	NOVEMBER 2017	25	36	UNIT 13,14 AND 15 13. MAHATMA GANDHI AND THE NATIONALIST MOVEMENT Civil Disobedience and beyond a. Mahatma Gandhi through contemporary eyes – Nationalist movement 1918-48 b. Gandhi leadership c. Focus on Mahatma Gandhi in 1930-32 – Excerpts reports from English and Indian news papers. Contemporary writings d. Discussion how newspaper can be the sources of history. 14. UNDERSTANDING PARTITION : Politics memories experiences a. Partition through oral sources the history of 1940s b. Nationalism communalism and partition – focus on Bengal, Punjab excerpts oral testimonies c. Discussion on the reconstructing the history of the partition. 15. FRAMING THE CONSTITUTION : the beginning of a new era a. Independence and new nation state b. The making of constitution - focus constituent assembly debates Excerpts – from the debates.	<ul style="list-style-type: none"> • Familiarise learner with elements of nationalist movement and Gandhi leadership • Perceptions of people about Gandhi • Newspapers, diaries, letters as historical sources • Discuss the last decade of nationalist movement growth of communalism partition • Understand the experiences of people who lived during partition and communal violence • Familiarize the students with the history the early years after independence • Limitations of oral history • How debates and discussions went on the new nation state • How debates Discussions read by the historians 	UT-4
				16. MAP WORK		
				17. PROJECT WORK		
DECEMBER 2017 1 ST Pre Board						09-15 Dec. 2017
JANUARY 2018 -2 ND Pre Board						18-31 Jan 2018
FEBRUARY 2018 - REVISION						
MARCH 2018 BOARD EXAMS						

NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS – XII**SUBJECT – HISTORY (code no. 027)**

Units	Marks
Themes in Indian History part – 1 Units 1-4	25
Themes in Indian History Part II Units 5-9	25
Themes in Indian History Part II Units 10-15	25
Unit 16 : Map Work	05
Project Work	20
Total	100

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NAVODAYA VIDYALAYA SAMITI, NOIDA
SPLIT UP OF SYLLABUS FOR THE ACADEMIC YEAR 2017-18

CLASS – XII

SUBJECT – GEOGRAPHY

NAME OF THE TEXTBOOKS

- | | |
|--|------------|
| 1. Fundamentals of Geography: | Marks (30) |
| 2. India – People and Economy: | Marks (30) |
| 3. Fundamental of human geography: | Marks (05) |
| 4. India – People and Economy: Map Work: | Marks (05) |
| 5. Practical Work in Geography : | Marks (30) |

S. No.	Month	No of Days	Periods	Name of the Chapter	UT's
1.	April / June - 2017	23 /26	32 /36	Fundamental Of Human Geography: Unit – I 1. Human Geography and nature and scope Unit – II 2. The world population: Density and growth, population change, spatial patterns and structures, determinants of population change. 3. Age – Sex ratio, Rural – Urban composition 4. Human Development: Concepts, Selected Indicators, International comparisons. India – People and Economy: 1. Population – Distribution: Density and Growth, composition of Population, Linguistic, Religious. Sex, Rural – Urban population change through time, regional variations, occupation. 2. Migration: International, National and causes and consequences 3. Human development: Selected indicators and Regional patterns, population environment and development	
2.	July – 2017	26	36	Fundamental Of Human Geography: Unit – III HUMAN ACTIVITIES 5. Primary Activities: Concepts, Changing Trends, Gathering, Pastoral, Mining, Subsistence agriculture, Modern agriculture, People engaged in agriculture and allied activities, some examples from selected countries. 6. Secondary Activities: concept, Manufacturing, Types, Household, Small scale, Large Scale, agro based and mineral based industries, People engaged in Secondary activities – some examples from selected countries. 7. Tertiary and Quaternary Activities: Concepts, Trade and Transport and Communication services, people engaged in tertiary activities, some example from selected countries. Quaternary Activities concept knowledge based industries, people engaged in Quaternary activities, some example from selected countries. Practical Work Processing of Data and Thematic mapping, Sources of Data: Tabulating and Processing of data, Calculation of averages such as Mean, Mode, Median, Standard Deviation and correlation.	UT - 1

3.	August - 2017	25	34	Fundamental Of Human Geography: Unit – IV TRANSPORTATION, COMMUNICATION AND TRADE 8. Land transportation roads, Railways – rail network, transcontinental railways, water transport – inland water ways, major ocean routes, Air transport, international air routes, oil and gas pipelines, satellite communication and cyber space. 9. International trade: Basis and changing patterns ports as gateways of international trade, role of WTO in international trade. India – People and Economy: 10. Transport communication and International Trade Transport And Communication: Road, Railways, Waterways and Airways. Oil and Gas pipelines, National electric grid, Communication net – working Radio, Television, Satellite and Internet. 11. International Trade : Changing patterns of India's foreign trade, sea ports and their hinterland and airports.	UT – 2 PROJECT
4.	September - 2017	24	30	Fundamental Of Human Geography: UNIT – V HUMAN SETTLEMENTS Settlement Types: Rural and Urban, morphology of cities (case study) Distribution of Mega cities, Problems of Human settlement in developing countries. Rural Settlement: Types and distribution Urban Settlement: Types and distribution and Problems of Urban Settlements India – People and Economy: Unit – II 4 Human Settlements Types of Rural settlement, Urban settlements Evolution of Town in India, urbanization in India, functional classification of towns PRACTICAL WORK: PROCESSING OF DATA AND THEMATIC MAPPING: Representation of data, diagrams, Line Graphs, Bar Graphs, Pie Chart Choropleth, Dot Map use of Computers in Data Processing and mapping	UT - 3
FIRST TERM EXAMINATION – 14 -09-2017 to 24-09-2017					
5.	November - 2017	24/ 23	32/ 30	India – People and Economy: Unit – III RESOURCE AND DEVELOPMENT 5. Land Resources: General land use, agricultural land use, Geographical conditions and distribution of major crops, agricultural developments and problems, common property resources. 6. Water Resources: Availability and Utilization, irrigation domestic, industrial other uses, Scarcity of water and conservation methods – Rainwater harvesting and watershed management. 7. Mineral and Energy Resources: Metallic and non Metallic minerals and their distribution. Conventional and non /conventional sources of energy. 8. Industries: Iron and Steel, Cotton textiles, Sugar, petrochemicals and knowledge based industries, Impact of Liberalization, Privatization and Globalization in Industrial location. 9. Planning in India: Target area planning (Case Study) idea of sustainable development (Case Study).	

			India – People and Economy: Unit – V 12. Geographical Perspectives on selected issues and problems Environmental pollution: Water Pollution, Air Pollution, Noise Pollution and Urban Waste disposal Rural Urban Migration (Case Study) Problems and Slums. Land degradation (Case Study) PRACTICAL WORK: 1. Field survey Or 2. Spatial Technology Map Work from first book and second book (2 + 3)	UT – 4
DECEMBER 09-2017 to 15-12-2017 – FIRST PRE BOARD EXAMINATION				
JANUARY 18-2018 to 31-01-18 – SECOND PRE BOARD EXAMINATION				
FEBRUARY 2018 – PRACTICAL EXAMINATION & REVISION				
MARCH 2018 – CBSE BOARD EXAMINATION				

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, HYDERABAD
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: XII

SUBJECT: COMPUTER SCIENCE (083)

Note :schools may choose from option 1(Python) or option 2(C++) and teach accordingly

UNIT No.	UNIT NAME	PERIODS			MARKS		
		THEORY	PRACTICAL	TOTAL	THEORY	PRACTICAL	TOTAL
1	OBJECT ORIENTED PROGRAMMING IN C++	50	<u>40</u>	90	30	13	43
2	DATA STRUCTURES	<u>42</u>	<u>36</u>	78	14	10	24
3	DATABASE MANAGEMENT SYSTEM AND SQL	20	20	40	08	07	15
4	BOOLEAN ALGEBRA	16	0	16	08	0	08
5	COMMUNICATION TECHNOLOGIES	16	3	19	10	0	10
TOTAL		144	99	243	70	30	100

MONTH	NO.OF DAYS	PERIODS	WEIGHTAGE	UNITS/SUB/UNITS AND TOPICS TO BE COVERED	PRACTICALS/ ACTIVITIES/ ASSESSMENT
TERM -1					
APRIL/JUNE	25	25T + 18P	12	<p>UNIT 1: OBJECT ORIENTED PROGRAMMING IN C++ REVIEW: C++ covered In Class -XI,</p> <p>Object Oriented Programming:</p> <p>Concept of Object Oriented Programming - Data hiding, Data encapsulation, Class and Object, Abstract class and Concrete class, Polymorphism (Implementation of polymorphism using Function overloading as an example in C++); Inheritance, Advantages of Object Oriented Programming over earlier programming methodologies.</p> <p>Implementation of Object Oriented Programming concepts in C++:</p> <p>Definition of a class, Members of a class - Data Members and Member Functions (methods), Using Private and Public visibility modes, default visibility mode (private); Member function definition: inside class definition and outside class definition using scope resolution operator (::); Declaration of objects as instances of a class; accessing members from object(s), Objects as function arguments - pass by value and pass by reference</p> <p>Function Overloading: Need for Function Overloading, Declaration and Definition, Restrictions on Overloaded Functions, Calling Overloaded Functions</p>	<p>C++ programs based on Class(es) and Objects</p> <p>UNIT TEST-1</p>
JULY	26	25P+ 18 T	12	<p>Constructor and Destructor:</p> <p>Constructor: Special Characteristics, Declaration and Definition of constructor, Default constructor, Overloaded Constructors, Copy Constructor, and Constructor with default arguments.</p> <p>Destructor: Special characteristics, declaration and definition of destructor;</p> <p>Inheritance (Extending Classes): Concept of Inheritance, Base Class, Derived Class, Defining derived classes, protected visibility mode; Single level inheritance, Multilevel inheritance and Multiple inheritance, Privately derived, Publicly derived and Protectedly derived class, accessibility of members from objects and within derived class(es)</p>	<p>C++ programs based on Class and Objects implementing constructors, destructors and other OOPs concepts</p>

JULY			<p>DATA FILE HANDLING:</p> <p>Need for a data file, types of data file- text file and binary file</p> <p>Basic file operations on text file: Creating/Writing text into file, Reading and Manipulation of text from an already existing text File (accessing sequentially);</p> <p>Binary File: Creation of file, Writing data into file, Searching for required data from file, Appending data to a file, Insertion of data in sorted file, Deletion of data from file, Modification of data in a file;</p> <p>Implementation of above mentioned data file handling in C++</p>	<p>C++ programs based on text and Binary file operations (creation, Displaying, Searching and modification)</p> <p>UNIT TEST-2</p>
AUGUST	26	22T+ 20P	<p>Components of C++ to be used with file handling: Header file: fstream.h; ifstream, ofstream, fstream classes;</p> <p>Opening a text file in in, out, and app modes;</p> <p>Using cascading operators(>><<) for writing text to the file and reading text from the file; open(), get(), put(), getline() and close() functions; Detecting end-of-file (with or without using eof() function);</p> <p>open(), read(), write() and close() functions; Detecting end-of-file (with or without using eof() function); tellg(), tellp(), seekg(), seekp() functions</p> <p>Pointers:</p> <p>Introduction to pointers, Declaration and Initialization of Pointers; Dynamic memory allocation/deallocation operators: new, delete;</p> <p>Pointers and Arrays: Array of Pointers, Pointer to an array (1 dimensional array), Function returning a pointer, Reference variables and use of alias; Function call by reference. Pointer to structures: Deference operator: *, ->; self referential structures.</p> <p>UNIT 2: DATA STRUCTURES</p> <p>Introduction to data structure, primitive and non primitive data structure, linear and non linear structure, static and dynamic data structure.</p> <p>Arrays:</p> <p>One and two Dimensional arrays: Sequential allocation and address calculation. One dimensional array: Traversal, Searching (Linear, Binary Search), Insertion of an element in an array, deletion of an element from an array, Sorting (Insertion, Selection, bubble).</p>	<p>C++ programs based on text and Binary file operations</p> <p>C++ programs based on pointers and relation with array handling (one dimensional)</p>

August				Two-dimensional arrays: Traversal, Finding sum/difference of two NxM arrays containing numeric values, Interchanging Row and Column elements in a two dimensional array.	Programs based on arrays UNIT TEST-3
September	23	22T + 20P	08	Stack (Array and Linked implementation of Stack): Introduction to stack (LIFO – Last In First Out Operation) Operations on Stack (PUSH and POP) and its Implementation in C++, Converting expressions from INFIX to POSTFIX notation and evaluation of Postfix expression Queue: (Circular Array and Linked Implementation): Introduction to queue (FIFO- First In First Out operation) Operations on Queue (Insert and Delete) and its Implementation in C++.	Stack using array and linked implementation Queue using arrays (circular) and linked implementation TERM TEST-1
TERM 2					
OCTOBER	17	25T+ 20P	08	UNIT 3: DATABASES AND SQL Database Concepts: Introduction to database concepts and its need Relational data model: Concept of domain, tuple, relation, key, primary key, alternate key, candidate key; Relational algebra: Selection, Projection, Union and Cartesian product Structured Query Language: General Concepts: Advantages of using SQL, Data Definition Language and Data Manipulation Language Data types: NUMBER/DECIMAL, CHARACTER/VARCHAR/VARCHAR2, DATE; SQL commands: CREATE TABLE, DROP TABLE, ALTER TABLE, UPDATE...SET..., INSERT, DELETE; SELECT, DISTINCT, FROM, WHERE, IN, BETWEEN, GROUP BY, HAVING, ORDER BY SQL functions: SUM, AVG, COUNT, MAX and MIN; Obtaining results (SELECT query) from 2 tables using equi-join, Cartesian Product and Union	Sql Queries are tested using any standard RDBMS like ORACLE-SQL plus or MySQL Note: Implementation of the above mentioned commands could be done on any SQL supported software on one or two tables.

OCTOBER				<p>UNIT 4: BOOLEAN ALGEBRA Role of Logical Operations in Computing</p> <p>Binary-valued Quantities, Logical Variable, LogicalConstant and Logical Operators: AND, OR, NOT; TruthTables; Closure Property, Commutative Law, AssociativeLaw, Identity law, Inverse law, Principle of Duality,Idempotent Law,Distributive Law, Absorption Law,Involution law, DeMorgan's Law and their applications.</p> <p>Obtaining Sum of Product (SOP) and Product of Sum (POS) form from the Truth Table, Reducing Boolean Expression (SOP and POS) to its minimal form, Use of Karnaugh Map for minimization of Boolean expressions (up to 4 variables)</p> <p>Application of Boolean Logic:</p> <p>Digital electronic circuit design using basic Logic Gates (NOT, AND, OR, NAND, NOR)</p> <p>Use of Boolean operators (NOT, AND, OR) in SQL SEL ECT statements</p> <p>Use of Boolean operators (AND, OR) in search enginequeries.</p>	
NOVEMBER	25	25 T+ 3P	10	<p>UNIT 5: NETWORKING AND OPEN SOURCE SOFTWARECOMMUNICATION TECHNOLOGIES Evolution of Networking: ARPANET, Internet, Interspace. Different ways of sending data across the network withreference to switching techniques (Circuit, Message andPacket switching)</p> <p>Data Communication terminologies: Concept of Channel, Baud, Bandwidth (Hz, KHz, M Hz) and Datatransfer rate (bps, kbps, M bps, Gbps, Tbps)</p> <p>Transmission media: Twisted pair cable, coaxial cable,optical fiber, infrared, radio link, microwave link andsatellite link</p> <p>Network devices: Modem,RJ11 and RJ45 connectors, Ethernet Card, Hub, Switch, Gateway and wifi card</p> <p>Network Topologies and types: Bus, Star, Tree; PAN,LAN, WAN, MAN</p> <p>Network Protocol: TCP/IP, File Transfer Protocol (FTP), PPP, Remote Login (Telnet), Internet Wireless/Mobile Communication protocol such as GSM, CDMA, GPRS, WLL.</p>	

			<p>Mobile Tele communication Technologies: 1G, 2G and 3G and 4G, mobile processors</p> <p>Electronic mail protocols such as SM TP, POP3 Protocols for Chat and Video Conferencing VoIP Wireless protocols such as Wi-Fi and WiMax</p> <p>Network Security Concepts:</p> <p>Threats and prevention from Viruses, Worms, Trojanhorse, Spams Use of Cookies, Protection using Firewall,https India IT Act, Cyber Law, Cyber Crimes, IPR issues, Hacking.</p> <p>Introduction to WebServices:</p> <p>WWW, Hyper Text Markup Language (HTML), eXtensible Markup Language (X M L); Hyper Text Transfer Protocol (HTTP); Domain Names;URL;; Website, Web browser, Web Servers; Web Hosting, Web Scripting - Client side (VB Script, Java Script, PHP) and Server side (ASP, JSP, PHP),Web 2.0 (for social networking).</p> <p>E commerce, payment transaction using online banking, mobile banking and payment apps and services.</p>	UNIT TEST-4
December			Revision, Project Work Preparation & I Pre Board Examination	
January			Revision, Finalization of Project & II Pre Board Examination	
February			Revision, CBSE Practical Examination	
March			CBSE Board Examination	

Note:

- T stands for number of Theory periods and P for Practical periods.
- Please do refer to the CBSE curriculum 2017 for further clarifications and alterations (if any).

Class XII (Practicals)**Duration: 3 hours****Total Marks: 30****1. Programming in C++****10**

One programming problem in C++ to be developed and tested in Computer during the examination.

Marks are allotted on the basis of following:

Logic	: 6 Marks
Documentation/Indentation	: 2 Marks
Output presentation	: 2 Marks

Notes: The types of problems to be given will be of application type from the following topics

- Arrays (One dimensional and two dimensional)
- Class(es) and Objects
- Stack using arrays and linked implementation

- Queue using arrays (circular) and linked implementation
- Binary File operations (Creation, Displaying, Searching and modification)
- Text File operations (Creation, Displaying and modification)

2. SQL Commands 05

Five Query questions based on a particular Table/Relation to be tested practically on Computer during the examination. The command along with the result must be written in the answer sheet

3. Project Work 05

The project has to be developed in C++ language with Object Oriented Technology and also should have use of Data files. (The project is required to be developed in a group of 2-4 students)

- Presentation on the computer
- Project report (Listing, Sample, Outputs, Documentation)
- Viva

4. Practical File 06

Must have minimum 20 programs from the following topics

- Arrays (One dimensional and two dimensional, sorting, searching, merging, deletion'& insertion of elements).
- Class(es) and Objects
- Stacks using arrays and linked implementation
- Queues using arrays(linear and circular) and linked implementation
- File (Binary and Text) operations (Creation, Updation, Query)
- Any computational based problems

15 SQL commands along with the output based on any table/relation:

5. Viva Voce 04

Viva will be asked from syllabus covered in class XII and the project developed by student

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

NAVODAYA VIDYALAYA SAMITI, HYDERABAD
SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2017-2018

CLASS: XII

SUBJECT: INFORMATICS PRACTICES (065)

Unit	Marks
1) Introduction to Computer Systems	10
2) Introduction to Programming	25
3) Relational Database Management System	30
4) IT Applications	05
Total	70

MONTH	NO. OF WORKING DAYS	NO. OF PERIODS	TOPIC	THEORY + PRACTICAL
April / June		24	Unit 1: Networking and Open Standards Computer Networking: Networking: a brief overview; NODE, stand alone, networked, client, server; Communication Media: Wired Technologies –Ethernet Cable (STP & UTP), Co-Axial, Optical Fiber; Wireless Technologies – Radio Link, Microwave, Blue Tooth, Infrared, Satellite Link; Network Devices: NIC, Modem, Hub, Switch, Repeater, Gateway – and their functions; Network Topologies: Star, Bus, Tree; Setting up a computer network, cloud computing; Network Protocols: HTTP, TCP/IP, PPP, remote acces software such Team viewer; Types of network: PAN, LAN, MAN, WAN; Identifying computers and users over a network: Basic concept of domain name, MAC (Media Access Control), and IP Address (IPv4 & IPv6), domain name resolution; Network security: denial of service attacks, intrusion problems, snooping, Eavesdropping; Internet Applications: SMS, Voice Mail, Electronic Mail, Chat, Video Conferencing; Wireless/Mobile Communication: GSM, CDMA, WLL, 3G, 4G; Network Security Concepts: Cyber Law, Firewall, Cookies, Hackers and Crackers. Open Source Concepts: Open Source Software (OSS), NRCFOSS, common FOSS/FLOSS examples (e.g., GNU/Linux, Firefox, OpenOffice, Java, Netbeans, MySQL, and BOSS), common open standards (ODF, Ogg Vorbis, HTML, XML, CSS, TCP/IP). • Indian Language Computing: (BCD, ASCII, ISCII), character encoding, UNICODE, different types of fonts (open type vs true type,	20+4

			static vs dynamic), Entering Indian Language Text – phonetic and key map based, Inscript.	
July UT-1		14	Unit 2: Programming 25 Marks (46 Theory+44 Practical) Periods Review of Class XI; Programming Fundamentals: (Swing Control Methods & Properties of all the components, and sample guidelines of GUI Programming)	46+44
		22	Basic concept of Object oriented programming, class, object, data member, methods; polymorphsim (method overloading & operator overloading), abstract class, inheritance, Access specifier for class members (data members and methods), public, private, protected, default.	
August UT-2		36	Advance programming concepts. Commonly used libraries: - Math class methods: pow(), round() - String class and methods: character storing & indexing in java and sql, toString(), concat(), length(), toLowerCase(), toUpperCase(), trim(), substring() Accessing MySQL database using JDBC to connect with Netbeans, front end, back end, common libraries, API, learning try and catch block, running SQL command in Netbeans. jTable component, application interface in hindi and other languages.	
Septem ber UT-3		18	<ul style="list-style-type: none"> • Web application development: URL, Web Server, Communicating with the web server, concept of Client and Server Side. • HTML based web pages covering basic tags – HTML, TITLE, BODY, H1..H6, , <I>, <Center>, Comment tag(!-- ... -->, , Anchor (<A>), Paragraph (P), LineBreak (BR), Section Separator (HR), FONT, TABLE, LIST (UL, OL), FORM. • Creating and accessing static pages using HTML and introduction to XML. 	
Sept. & Oct. Term Test		40	Unit 3: Relational Database Management System 30 Marks (50 Theory+40 Practical) Periods Review of RDBMS from Class XI, Database Fundamentals <ul style="list-style-type: none"> • Concept of Database Transaction, Committing and revoking a Transaction using COMMIT and ROLLBACK. • Grouping Records: GROUP BY, Group functions – MAX(), MIN(), AVG(), SUM(), COUNT(); using COUNT(*), DISTINCT clause with COUNT; Group Functions and Null Values. 	50+40
Nov. UT-4		50	<ul style="list-style-type: none"> • Displaying Data From Multiple Tables: Cartesian product, Union, concept of Foreign Key, Equi-Join. • Creating a Table with PRIMARY KEY, Foreign Key, Unique and and NOT NULL constraints, Viewing Constraints, Viewing the Columns Associated with Constraints using DESC command. • ALTER TABLE for <ul style="list-style-type: none"> - deleting column(s), modifying data type(s) of column(s), - adding a constraint, enabling constraints, dropping constraints. • DROP Table for deleting a table 	

Nov. & Dec.		36	Unit 4: IT Applications 05 Marks (10 Theory+26 Practical) Periods <ul style="list-style-type: none"> • Front-end Interface: Introduction; content and features; identifying and using appropriate component(Text Box, Radio Button, CheckBox, List, etc., as learnt in Unit 2 (Programming)) for data entry, validation and display. • Back-end Database: Introduction and its purpose, exploring the requirement of tables and its essential attributes. • Front-End and Database Connectivity: Introduction, requirement and benefits. • Demonstration and development of appropriate Front-end interface and Back-end Database for e-Governance, e-Business and e-Learning applications. • Impact of ICT on society: Social, Environmental and Economic benefits. In each of the above domains, identify at least two real-life problems, list the expected outputs and the input(s) required for the output, and describe the problem solving approach and develop relevant front-end interface and back-end database. 	10+26
December			Revision and Project work	
January			Revision	
February			Revision, CBSE Practical Exam	
March			CBSE Exam	
Total period				240

CLASS–XII: (PRACTICAL) (2017 – 18)

S.NO	DESCRIPTION	MARKS
1	Problem solving using Java	10
2	SQL queries	5
3	Practical Records <ul style="list-style-type: none"> • Identify Network configuration and OSS used in school. • Simple problems using IDE Java and Database Connectivity • SQL Queries • IT Applications 	6
4	Project Work	5
5	Viva Voice	4
TOTAL		30

EVALUATION OF PRACTICAL EXAMINATION:**1. Problem Solving using Java**

Student is required to solve programming problems based on all concepts covered in theory throughout the year and maintain a record of these in the practical file.

Student will be given a problem to be solved using Java during final practical examination to be conducted at the end of the academic session.

2. SQL Queries

Students will be practicing SQL queries in MySQL throughout the year along with course coverage in theory.

Student will be asked to write 4 queries based on one or two tables during final practical examination to be conducted at the end of the academic session.

3. Practical Record File

A practical record file is required to be created during the entire academic session. It should be duly signed by the concerned teacher on regular basis and is to be produced at the time of Final Practical Examination for evaluation. It should include the following:

- At least 12 solutions of simple problems using IDE based Java (refer to Appendices 'A' & 'B').
- Solution of at least 2 simple problems incorporating Java Application & Database connectivity.
- At least 24 SQL queries based on one and/or two tables.
- At least two web pages using HTML.

4. Project File

Students in group of 2-3 are required to work collaboratively to develop a project using Programming and Database skills learnt during the course. The project should be an application in any one of the domains – e-Governance, e-Business and e-Learning – with GUI front-end and corresponding database at the back-end.

5. Viva Voce

Students will be asked oral questions during practical examination to be conducted at the end of the course. The questions will be from the entire course covered in the academic session.

NOTE: Please refer prescribed CBSE Curriculum for the academic year 2017-18 for clarifications, if any.

STUDENT PLEDGE

(Daily Assembly)

India is my country and all Indians are my brothers and sisters.
I love my country and I am proud of its rich and varied
heritage. I shall always strive to be worthy of it.

I shall give respect to my parents, teachers and elders and
treat everyone with courtesy.

To my country and my people, I pledge my devotion. In their
well being and prosperity alone, lies my happiness.

Ten Point Oath for Teachers on
("Teachers' Day")

1. First and foremost, I will love teaching. Teaching will be my soul.
2. I realise that I am responsible for shaping not just students but ignited youth who are the most powerful resource under the Earth, on the Earth and above the Earth. I will be fully committed to the great mission of teaching.
3. I will consider myself to be a great teacher only when I am capable of elevating the average student to a high performance.
4. I will organise and conduct my life, in such a way that my life itself is a message for my students.
5. I will encourage my students and children to ask questions and develop the spirit of enquiry, so that they blossom into creative enlightened citizens.
6. I will treat all the students equally and will not support any differentiation on account of religion, community or language.
7. I will continuously build capacities in teaching so that I can impart quality education to my students.
8. I realise by being a teacher, I am making an important contribution to the efforts of national development.
9. I will constantly endeavour to fill my mind with great thoughts and spread nobility in thinking and action among my students.
10. I will always celebrate the success of my students.

PLEDGE

(RASHTRIYA EKTA DIWAS)

I solemnly pledge that I dedicate myself to preserve the unity, integrity and security of the nation and also strive hard to spread this message among my fellow countrymen. I take this pledge in the spirit of unification of my country which was made possible by the vision and actions of late Sardar Vallabhbhai Patel. I also solemnly resolve to make my own contribution to ensure internal security of my country.

PLEDGE

(SWACHHTA DIWAS)

- Mahatma Gandhi dreamt of an India which was not only free but also clean and developed.
- Mahatma Gandhi secured freedom for Mother India.
- Now it is our duty to serve Mother India by keeping the country neat and clean.
- I take this pledge that I will remain committed towards cleanliness and devote time for this.
- I will devote 100 hours per year that is two hours per week to voluntary work for cleanliness.
- I will neither litter nor let others litter.
- I will initiate the quest for cleanliness with myself, my family, mother locality, my village and my work place.
- I believe that the countries of the world that appear clean are so because their citizens don't indulge in littering nor do they allow it to happen.
- With this firm belief, I will propagate the message of Swach Bharat Mission in villages and towns.
- I will encourage 100 other persons to take this pledge which I am taking today.
- I will endeavour to make them devote their 100 hours for cleanliness.
- I am confident that every step I take towards cleanliness will help in making my country clean.



1
2
3
4
5
6
7

1. सूर्योदय नवोदय का प्रतीक है ।
Sunrise symbolises **Navodaya**.
2. दो शीर्ष नवोदय विद्यालय समिति द्वारा दी जाने वाली सुरक्षा का प्रतीक हैं ।
Two heads are the symbol of Navodaya Vidyalaya Samiti giving protection to.
3. तीन(श्वेत) शीर्ष नवोदय विद्यालयों के विद्यार्थियों का प्रतीक हैं।
Three (White) heads which symbolise students of Navodaya Vidyalayas.
4. किताब, दूरदर्शन, कम्प्यूटर आदि उत्कृष्ट आधुनिक शिक्षा के साधनों को दर्शाते हैं ।
Book, T.V., Computer etc. indicate the means for excellence in modern Education.
5. पौधे एवं पंक्तियां ग्रामीण पृष्ठभूमि को दर्शाते हैं ।
Plants and Lines represent Rural Background.
6. अनाज की फलियां राष्ट्रीय एकता एवं शान्ति का प्रतीक हैं ।
Corn-locks symbolise National Integration & Peace.
7. उद्देश्य : उत्कृष्ट ज्ञान सर्वोपरि है ।
Motto : Intelligence is divine.

HOLISTIC SCHOOL BASED ASSESSMENT

VALUE & ATTITUDES

ART EDUCATION

LIFE SKILLS

LANGUAGES

PAINTING

SCIENCE

MATHS

MUSIC

DANCE

SUPW

ICT



SOCIAL SCIENCE

SPORTS & GAMES

WORK EXPERIENCE

VOCATIONAL EDUCATION

PHYSICAL & HEALTH EDUCATION



नवोदय विद्यालय समिति

NAVODAYA VIDYALAYA SAMITI

मानव संसाधन विकास मंत्रालय का एक स्वायत्त संस्थान (स्कूल शिक्षा एवं साक्षरता विभाग)

An Autonomous organization Under Ministry of HRD, Department of School Education & Literacy

भारत सरकार Government of India