NAVODAYA VIDYALAYA SAMITI

Split-up of Syllabus for Class VI to VIII & X TO XII
Session: 2026-27

: INDEX :

नवोदय विद्यालय समिति

विषय - हिन्दी ('अ' पाठ्यक्रम)

कक्षा- 6

परीक्षा हेतु पाठ्यक्रम निर्देशन

खण्ड	विभाग	भारांक
क.	अपठित बोध	10
ख.	व्यावहारिक व्याकरण	20
ग.	पाठ्यपुस्तक पर आधारित प्रश्न एवं पठित बोध	42
घ.	रचनात्मक लेखन	08

कुल अंक – 80

वार्षिक परीक्षा हेतु अंक भार विभाजन

खंड – अ

क्रमांक	विषय वस्तु एवं परीक्षा हेतु अंक विभाजन उपभारांक कुल भार	उपभारांक	कुल भार
1	अपठितांश 1+1+1+1+1 अपठित गद्यांश (क) 1+1+1+1+1 अपठित काव्यांश (ख)	5 5	10
2	व्याकरण पाठ्यक्रम अनुसार 1×20	20	20
3	पाठ्य पुस्तक 3 -मल्हार भाग - 1+1+1+1+1 गद्यांश आधारित प्रश्न (क) गद्य खंड आधारित प्रश्न 2× 6 1+1+1+1+1 काव्यांश आधारित प्रश्न (ख) काव्य खण्ड आधारित प्रश्न 2×6 पाठ्य पुस्तक पर आधारित प्रश्न लघु उत्तरीय प्रश्न 1× 8	05 12 05 12 8	42
5	रचनात्मक-लेखन 4+4	04 04	8
	कुल		80
	आंतरिक मूल्यांकन		20
	सामयिक आकलन	05	
	बहुविध आकलन	05	
	पोर्टफोलियो	05	
	विषय समृद्धि क्रियाकलाप	05	
	कुल योग		100

माह	कार्य दिवस	पाठ का नाम	क्रिया कलाप/परियोजना कार्य	आंतरिक मूल्यांकन
अप्रैल/जून 2026	22	ब्रिज कोर्स व्याकरण - वर्णमाला बारहखड़ी, देवनागरी में संख्या लेखन 'र' के विभिन्न रूप	परियोजनकार्य वर्णमाला - चार्ट	1. बहुविकल्पी प्रश्न -10
जुलाई 2026	27	मल्हार अध्याय 1. मातृभूमि (कविता) अध्याय 2.गोल (संस्मरण) अध्याय 3. पहली बूँद (कविता) व्याकरण नए शब्द और सार्थक शब्द बनाना , अनेकार्थक शब्द , शब्द युग्म	परियोजनकार्य चित्र लगाकर किसी खेल का वर्णन	1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाच
अगस्त 2026	21	मल्हार अध्याय 1. हार की जीत(कहानी) अध्याय 2. रहीम के दोहे (कविता) अध्याय 3, मेरी माँ (आत्मकथा) व्याकरण (अ) संज्ञा (आ) मुहावरे पत्र लेखन (पारिवारिक)	परियोजनकार्य व्याकरण वृक्ष संज्ञा, सर्वनाम,विशेषण के प्रकारों को पेड़ के चित्र के माध्यम से दर्शाए	1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी

सितंबर 2026	12	मल्हार अध्याय 1. जलाते चलो (कविता) पूर्व पठित पाठ्यक्रम का पुनरावर्तन व्याकरण (अ) सर्वनाम (आ) विशेषण (इ) अनेक शब्दों केलिए एक शब्द अनुच्छेद लेखन	परियोजनकार्य सर्वनाम पर सचित्र चार्ट	1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी 4. पोर्टफोलियो
अक्तूबर/ नवंबर 2026	20	मल्हार अध्याय 1. सत्रिया और बिहू नृत्य (निबंध) अध्याय 2. मैया मैं नहिं माखन खायौ (पद) व्याकरण (अ) लिंग , वचन (आ) समास (इ)संवाद लेखन (ई)क्रिया (उ) काल (ऊ)पत्र लेखन (औपचारिक)	परियोजनकार्य किन्हीं तीन भारतीय नृत्यों पर कुछ वाक्य लिखें और चित्र भी लगाएँ परियोजनकार्य चित्र लगाकर मेरा प्रिय पेड़ विषय पर कुछ वाक्य लिखें	1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी 1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी
दिसंबर 2026	15	मल्हार अध्याय 1. परीक्षा (कहानी) अध्याय 2. चेतक की वीरता (कविता) व्याकरण (अ) विलोम शब्द (आ) वाक्य विचार अपठित पद्यांश	परियोजनकार्य पखियों के चित्र एकत्रित करें और उनके बारे में लिखें	1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी
जनवरी 2027	24	मल्हार अध्याय 1. हिन्द महासागर में छोटा सा हिंदुस्तान (यात्रावृत्तांत) अध्याय 2. पेड़ की बात (निबंध) व्याकरण (अ) उपसर्ग-प्रत्यय (आ) विराम चिह्न (इ) शब्द-भंडार	परियोजनकार्य किसी यात्रा का वर्णन अपने शब्दों के करें और चित्र भी लगाएँ	1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी

फरवरी 262027	24	मल्हार पूर्व पठित पाठ्यक्रम का पुनरावर्तन व्याकरण (अ) अव्यय (आ) अशुद्ध वाक्यों का संशोधन	परियोजनकार्य वाक्यों की अशुद्धि दिखाते हुए चार्ट	1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी
मार्च 2027	25	पूर्व पठित पाठ्यक्रम का पुनरावर्तन वार्षिक-परीक्षा(15 से 27 मार्च तक)		1. बहुविकल्पी प्रश्न -10 2. श्रवण-वाचन 3. प्रश्नोत्तरी

NAVODAYA VIDYALAYA SAMITI
SPLIT UP OF SYLLABUS 2026-27
CLASS: VI
SUBJECT:ENGLISH

NameoftheTextbook:POORVI

Serial No	Section	Marks
1.	SectionA –Reading	20 Marks
2.	SectionB–CreativeWriting	10 Marks
3.	SectionC-Grammar	10 Marks
4.	SectionD- Literature	40 Marks
	TotalMarks	**80**
	InternalAssessment	**20**
	GrandTotal	**100Marks**

Month	No.of days		Maintopicsand Subtopics to be covered	Grammar /activities / Composition	Activities/Projects/Practical Experiments to be held/ SpecificAssessment Tool(s) (Suggested)/ Topicsfordiscussion
April/ May 2026	22		1.Reading comprehension 2. Verbforms 3. Rhyming words 4.Paragraph writing 5. Story writing .MyFamilyan d Me, My Previous School **Unit 1 "Fablesand Folk Tales'** 1. ''ABottleof Dew' 2. 'TheRaven and the Fox' .PWT-1(As per schedule)	1.Connecting words Find out multiple meanings of familiar/ unfamiliarwords with the help of dictionary/ contextual meaning. 1.Simple Present Tense 2.Homophones 3.Notice writing	1.Dictionarywork 2.Self- introduction 3.Story telling 4.Greetingcard preparation 4. Library:Readavariet yof texts of their own choice 5.Parts of speech 6.Use of Alliteration
July 2026	27		**Unit 1 "Fablesand Folk Tales'** 3. 'Ramatothe Rescue' 4. Letter Writing(Formal) -Leaveletter **Unit 2, 'Friendship'** 1. TheUnlikely Best Friends'	1.Storywriting 2.Dialogue writing 3.Present Continuoustense 4. Adverbs 5.Simple Past andPastPerfect tense 6. Application for leave	1.Picture story Activities 2.Vocabulary building 2.Speaking and listening activities given in the textbook.

August 2026	**21**		**Unit 2, 'Friendship'** 2. 'A Friend's Prayer' 3. The Chair **PWT2(As per schedule)**	1. Conduct activities that Encourage students to explore the world around them 2. Letter Writing (Informal) 3. Prefix/suffix	1. The importance of empathy 2. How true friendship can bring joy and fulfillment, even in unexpected circumstances.' 3. Real and superficial friends. 4. Personification 5. Role play
September 2026	**12**		**Unit 3, 'Nurturing Nature'** 1. Neem Baba,(**Revision) Term 1(As per Schedule)**	1. Modal auxiliaries 2. Simple Past and Past Perfect tense- 3. Article writing(Value of natural resources)	1. Vocabulary games 2. Speaking and listening activities given in the text book. 3. Nature has healing powers 4. The numerous benefits of the neem tree found in almost all parts of our country.
October 2026	**25**		**Unit 3, 'Nurturing Nature'** 2. 'What a Bird Thought,' 3. Spices that Heal Us' **Autumn Break**	Grammar Worksheets .Preposition . Conjunction Paragraph writing(Importance of home remedies) .Rhyming Scheme	1. Maintaining a healthy lifestyle, well-being and discipline
November 2026	**15**		**Unit 4, 'Sports and Wellness'** 1. 'Change of Heart' 2. The Winner 3. 'Yoga—A Way of Life'	1. Dialogue writing 2. Preparing bio-sketches .Composing poems .Active Passive (introductory) .Indirect speech (introductory)	1. Maintaining a healthy lifestyle, well-being and discipline 2. Role play 3. Riddles 4. Indigenous games 5. Benefits of Yoga

Month	Days		Lesson/Topic	Writing/Grammar	Activities/Values
December 2026	**23**		**Unit5,'Culture and Tradition'** 1'Hamara Bharat,'- IncredibleIndia! 2**.**'TheKites' (Poem) **PWT3 (As per schedule)**	1.Paragraph writing 2.Activity-Album preparation (EkBharat, Shreshtha Bharat) 3.Activity-kite making	1.EkBharat,Shreshthabharat 2. Madhubani painting 3. The rich heritage of craftwork Presented in the formofnarrativesofchildren from different parts of India, 4. Appreciationofvariousart forms. 5.Speaking-Kiteflying experience
January 2027	**12**		1. IlaSachani: Embroidering DreamswithHer Feet	1.Countableand Uncountable nouns 2.Subject-verb agreement, determiners,punctuation.	1.One can overcome challengesandcan achieve success beyond limits. 2.Create an Art Work by using waste paper, leaves, twigs, pins, old cards ,straws etc. Try simple stitch on cloth.
February 2027	**18**		1. ''National WarMemorial'' **PWT4** **(As per Schedule)** **Revision**	1.Paragraph writing on Great leaders /Soldiers/Freedom fighters. 2.Simple error correction.	. Story telling on Freedom Fighters . speaking and listening activities given in the book.
March 2027	**12**		**Revision** **Term II Examination** **15-27 March 2027**		

Note – Let us listen, let us speak, let us write, let us explore, let us learn, let us think and reflect, let us discuss etc. Activities to be conducted for focusing linguistic skills through activity based learning.

NAVODAYA VIDYALAYA SAMITI

CLASS: VI SUBJECT: MATHEMATICS

SPLIT UP OF SYLLABUS FOR ACADEMIC YEAR 2026-27

S.R	NAME OF CHAPTER	NO OF DAYS/PERIODS	MARKS
1	PATTERNS IN MATHEMATICS	14	12
2	LINES AND ANGLES	26	16
3	NUMBER PLAY	26	18
4	DATA HANDLING AND PRESENTATION	16	16
5	PRIME TIME	23	18
TERM -I			
6	PERIMETER AND AREA	18	16
7	FRACTIONS	25	16
8	PLAYING WITH CONSTRUCTIONS	15	12
9	SYMMETRY	16	12
10	THE OTHER SIDE OF ZERO	27	16
	SYLLABUS WEIGHATAGE FROM TERM-I	10%	8
TERM -II			

Month	No. of Days	Periods	Name of the Chapter	Marks	Activities/ Projects
			TERM -1		
April/ June- 2026	24	14	**1. PATTERNS IN MATHEMATICS :-** i). Introduction to Mathematics ii) Patterns in Numbers iii)Visualising Numbers Sequences iv)Relations among Number Sequences v)Patterns in Shapes vi)Relation to Number Sequences	12	Activity:-1 To Identify and Extend pattern in triangular and square numbers using dots or buttons .
		14	**2.DATA HANDLING AND PRESENTATION** i) Collecting and Organizing Data ii) Pictographs iii)Bar Graphs iv) Drawing a Bar Graph v)Artistic and Aesthitic Considerations	16	Activity 2 : To collect real-world Data (e.g., shoe sizes or favorite fruits of classmates) and organize it using tally marks. Activity 3: To represent the collected data using bars of uniform width on grid paper.
			PWT-1 (27-29 April-2026/23-25 June 2026(for RO Hyderabad))		
July- 2026	27	26	**3.LINES AND ANGLES :-** i)Point ii)Line Segment iii)Line iv)Ray v)Angle vi) Comparing Angles vii)Making Rotating Arms viii) Special Types of Angles. ix) Measuring Angles x)Drawing Angles xi) Types of Angles and their Measures.	18	Activity 4:-To observe how angles change or stay the same when a shape is reflected or folded. Activity 5 : To verify the Commutative (a+b=b+a) and Distributive [a*(b+c) = ab + ac] properties using

		22	**4.NUMBER PLAY :-** i) Introduction what numbers can tell us ii) Super cells iii) Patterns of numbers on the number line iv) Playing with digits v) Pretty palindromic Patterns	16	grid paper and colored strips
August -2026	24		**4.NUMBER PLAY (Continued……) :-** vi) The Magic Number of Kaperkar vii)Clock and calender numbers		
PWT-2 (10-12 August 2026)					
August -2026		23	**4.NUMBER PLAY (Continued……) :-** viii)Mental Math ix) Playing With Number Patterns x) An unsolved Mystery -The CollatzConjecture! xi) Simple Estimation xii)Games and Winning Strategies **5.PRIME TIME :-** i)Common Multiples and Common Factors ii) Prime numbers iii)Co- prime Numbers for Safekeeping Treasures iv)Prime Factorisation v)Divisibility Tests	18	Activity 6 :To find the Highest Common Factor of two numbers using colored paper strips of different lengths. Activity 7 : To find the Least Common Multiple using a 10 \times 10 number grid and "leap-frog" patterns.
September-2026	10		**5.PRIME TIME (Continued…….) :-** vi) Fun with Numbers. REVISION		
TERM-1 Examinations (16-29 September 2026)					
TERM-2					

October to November -2026	20 to 30 Days depending on Vacations	18	**6. PERIMETER AND AREA:-** i. Perimeter ii. Area iii. Area of Triangle	16	Activity 8 : To find the area of irregular shapes by counting squares on a grid.
		25	**7. FRACTIONS:-** i. Fractional Units and Equal Shares ii. Fractional Units as a Parts of a Whole iii.Measuring Using Fractional Unit iv. Mixed Fractions v. Equivalent Fractions vi. Comparing Fractions vii. Addition and Subtraction of Fractions **viii.** A Pinch of History	16	Activity 9 :To find fractions equivalent to fraction 1/2 or fraction 1/3 by folding long paper strips. Activity 10 : To add fractions with same or different denominators using a square grid and two different colors.
PWT-3 (3-5 DECEMBER 2026)

December-2026		15	**8.PLAYING WITH CONSTRUCTIONS** i. Art Work ii. Squares and Rectangles iii. Constructing Squares and Rectangles iv. An Exploration n Rectangles v. Exploring Diagonals of Rectangles and Squares vi. Points Equistant from Two Given Points.	12	Activity 11: To explore the use of a compass and ruler to create artistic patterns and precise geometric shapes.
January-2027	12	16	**9. SYMMETRY** I..Line of Symmetry ii.Rotational Symmetry	12	Activity 12: To find all lines of symmetry in regular polygons (triangle, square, pentagon) through paper folding.
PWT-4 (4-6 FEBRUARY 2027)

February-2027	19	27	**10. THE OTHER SIDE OF ZERO:-**
			
			i. Bela's Building of Fun
			
			ii. The Token Model
			
			iii. Integers in Other Places
			
			    iv. Exploration with Integers
			
			    v. A Pinch of History
				16	Activity13 : To identify the "angle of rotation" using a pinwheel or a cutout shape rotated around its center.
					Activity 14 : To add positive and negative integers using two different colored tokens (e.g., Red for +1, Blue for -1).

March-2027			Revision & term End Examination		
*chapter included in term 2 (10%):- **Chapter 2 : Lines and Angles** **Chapter 3 : Prime time**				**8**	
TERM-END EXAMINATIONS (15-27 MARCH 2027)					

Note- 1) The teachers can refer NCERT Activity/Lab   manual for conducting activities.

2) Teachers may arrange special classes to Complete the syllabus as per given in Split up of Syllabus Schedule.

NAVODAYA VIDYALAYA SAMITI

CLASS: VI   SPLIT UP SYLLABUS-2026-2027   SUBJECT: SCIENCE

Unit No	Name of the Chapter/Unit	Periods
1	The Wonderful World of Science	06
2	Diversity in the Living World	12
3	Mindful Eating: A Path to a Healthy Body	10
4	Exploring Magnets	11
5	Measurement of Length and Motion	11
6	Materials Around Us	10
7	Temperature and its Measurement	12
8	A Journey through States of Water	10
9	Methods of Separation in Everyday Life	12
10	Living Creatures: Exploring their Characteristics	17
11	Nature's Treasures	10
12	Beyond Earth	12
	Total	**80 Marks**
	Internal Assessment	**20 Marks**
	Grand Total	**100 Marks**

Month	No. of Days	Main topics and sub topics to be covered with Key Concepts	Activities/Project/Practical Experiments to be held/specific Assessment Tool(s) (suggested)
April-/June 2026	22	**BRIDGE COURSE PROGRAMME: (Refer NCERT Bridge Course)**	• Nature Walk • Observation walk • Am I living? • Solar system
		1.The Wonderful World of Science- What is science? Different habitats, Nature cycles, Thinkingly scientifically, Try to discover new things	Activity1.1(Hands-on Classroom)-components of food,1.2-separation of Substances, 1.3-Measurement and Motion Activity Practical-Growing Microorganisms, Seed Germination, Evaporation and Condensation Project-Balanced Diet Chart, Model of the Solar System
		2. Diversity in the Living World- Diversity in Plants and Animals Around Us, How to Group Plants	Activity2.1-Sorting Living and Non-Living Things Activity2.2-Plant classification Activity2.3-Habitat Chart Preparation
Periodic Written Test-1/ UT-1 **27-29 April 2026** (For all RO except RO Hyd., **23-25 June 2026** (For RO Hyderabad)			
July 2026	27	**2. Diversity in the Living World-**How to group Animals?Characteristics of Living Things, Plants and Animals in Different Surroundings	Experiments-Observation of Microorganisms,Seed Germination Comparison,Insect Study Project (Individual or Group)-Observation of Microorganisms,Seed Germination Comparison, Insect Study
		3. * Mindful Eating: A Path to a Healthy Body- What Do We Eat?, Food in different regions, How have cooking practices changed over time?, Components of Food, Test Different Components of Food, Balanced Diet, Millets:	Activity-3.1-My Food Diary (One-Week Record), 3.2-Eat Slowly Experiment, 3.3-Balanced Plate Activity,3.4-Food Label Reading Activity, **Practical-**Starch Test (Iodine Test), Fat Test (Paper Test), Hydration Awareness Activity,

		Nutrition-rich Cereals, Food Miles: From Farm to Our Plate **4. Exploring Magnets-**Magnetic and Non-magnetic Materials, Poles of Magnet, Finding Directions, Attraction and Repulsion between Magnets, Fun with Magnets	Project-Weekly Healthy Meal Plan, Junk Food vs Healthy Food Campaign, "Healthy Tiffin Day" Initiative Activity4.1-Identify Magnetic Materials, 4.2-Finding Poles of a Magnet, 4.3-Attraction and Repulsion, 4.4-Magnetic Strength Test Practical-Making a Simple Compass, Magnetic Field Pattern, Temporary Magnet Project-Uses of Magnets in Daily Life, Model of a Magnetic Crane
August 2026	21	**5. * Measurement of Length and Motion-** How do we Measure?, Standard Units, Correct Way of Measuring Length, Measuring the length of a curved line, Describing Position, Moving Things, Types of Motion.	Activity-5.1-Non-Standard vs Standard Measurement, 5.2-Measuring Curved Line, 5.3-Estimation Game, 5.4-Identifying Types of Motion Practical-Measuring Classroom Objects, Simple Pendulum, Speed Observation Project-Measurement Tool Chart, Types of Motion Model, School Campus Measurement Survey
		6. Materials Around Us-Observing Objects Around Us, Group Materials, different Properties of Materials, Hard and soft, materials through which one can see or cannot see, soluble in water; what is not, Space and volume, What is Matter?	Activity-6.1-Object–Material Identification Activity, 6.2-Sorting Materials by Properties, 6.3-Transparent, Translucent, Opaque Test, 6.4-Solubility Test Practical-Magnetic and Non-Magnetic Materials, Floating and Sinking Activity, Conductors and Insulators Project- Materials Used in My House, Reuse and Recycling Project, Property–Use Chart
Periodic Written Test-II/ UT-II **10-12 August 2026**			
September-2026	12	Completion of syllabus before 10th September Revision for the Mid Term	
MID TERM-I – 16 – 29 September 2026			
October-2026	20	**7**. Temperature and its Measurement-Hot or Cold, Temperature, Measuring Temperature, Clinical and Laboratory thermometer	Activity-7.1-Hot or Cold?, 7.2-Parts of a Thermometer, 7.3-Daily Temperature Record Practical-Measuring Body Temperature, Laboratory

			Thermometer Use, Cooling Activity Project-Weather Report Project, Types of Thermometers Chart, Temperature in Daily Life
November 2026	20	**8. A Journey through States of Water-** Investigating Water's Disappearing Act, Evaporation and Condensation, different States of Water, we change the States of Water, Cooling Effect, Clouds give us Rain, water cycle **9. Methods of Separation in Everyday Life-** Handpicking, Threshing, Winnowing, evaporation, condensation,	Activity-8.1-Ice–Water–Steam Observation, 8.2-Melting Time Activity, 8.3-Evaporation Activity Practical-Condensation Demonstration, Freezing Activity, Cooling Curve (Basic) Projects- Working Model of Water Cycle, States of Water in Daily Life, Water Conservation Poster Activity-9.1-Handpicking, 9.2-Sieving Demonstration, 9.3-Winnowing (Demonstration)
December 2026	15	**9. Methods of Separation in Everyday Life-** sedimentation, decantation, filtration, churning, magnetic separation **10. Living Creatures: Exploring their characteristics-** Living Apart from the Non-living, Essential Conditions for Germinationof a Seed,	Practical-Sedimentation and Decantation, Filtration, Evaporation Project-Separation Methods in My Kitchen, Working Model of Water Purification, Flowchart of Separation Techniques Activity-10.1-Living vs Non-Living Sorting, 10.2-Observing Growth in Plants, 10.3-Response to Stimuli, 10.4-Movement by animals. Practical-Seed Germination,
Periodic Written Test-III/ UT-III-3-5 Dec. 2026			

January 2027	14/24		**10. Living Creatures: Exploring their characteristics-** Growth and Movement in Plants, Life Cycle of a Plant, Life Cycle of Animals, **11. Nature's Treasures-** Components of air, Water, Energy from the Sun, Forest,	Activity-10.1-Living vs Non-Living Sorting, 10.2-Observing Growth in Plants, 10.3-Response to Stimuli, 10.4-Movement by animals Respiration (Blowing Air on Mirror), Observation of Microorganisms Projects- My Local Living World Survey, Chart on Characteristics of Living Things, Life Processes Mind Map Activity-11.1-Identify Nature's Treasures Around Us, 11.2-Renewable vs Non-Renewable Sorting,
February 2027	24		**11. Nature's Treasures-** Soil, Rocks and Minerals, Fossil Fuels, Natural Resources: renewable and non-renewable, Resources we use	11.3-Soil Observation, 11.4-Water Usage Survey Practical-Water Filtration Model, Soil Percolation Test, Air is Essential (Candle Experiment – Demonstration), Project-Forest Resources Chart, Conservation Campaign, Natural Resources in My Home
			12. Beyond Earth- Stars and Constellations, Our Solar System, Planets, Satellite, Moon, Asteroids, Comet, The Milky Way Galaxy, The Universe Completion of syllabus Revision for PWT 4	Activity-12.1-Solar System Ordering Activity, 12.2-Day and Night Demonstration, 12.3-Phases of the Moon Activity, 12.4-Constellation Observation (Night Sky Project)Practical-Model Showing Rotation and Revolution, Moon Phase Model, Shadow Length Activity, Project-3D Solar System Model, Space Mission Research, Life Beyond Earth Debate/Poster
Periodic Written Test-IV/ UT-IV-4-6 Feb 2027				
March-2027			REVISION and TERM II Exam	

Distribution of Chapters						
	PWT-1	PWT-2	TERM-1	PWT-3	PWT-4	TERM-2
No. of Chapters	1,2	3*,4,5*	1,2,3,4,5,6	7,8,9	10,11,12	3*,5*,7,8, 9,10,11,12
BIO.	2	1	2	0	1	3
CHE.	0	0	1	1	1	2
PHY.	0	2	3	2	1	3
TOTAL	1	3	6	3	3	8

NOTE: 1. The non-evaluative boxes like 'Do you know"?, Know a Scientist etc should be used ONLY for internal assessment

2. Only 10% of the I term Syllabus (Chapter 3 and Chapter 5) should be included in Term II exam.

3. The Activities should be performed when the lesson is being taught and should be integrated with the chapter as per the new pedagogical approach and NEP-2020. A separate activity book should be maintained and all the activities performed should be recorded by the students

4. MID TERM PORTION should be completed before 10th September 2026 and TERM II portion must be completed before February 28th 2026

NAVODAYA VIDYALAYA SAMITI

CLASS:VI   SUBJECT:SOCIAL SCIENCE

Split Up Syllabus for session 2026 – 27

Chapter No.	TitleoftheChapter	Weightage
1.	Locating places on the Earth(Geo)	7%
2.	Oceans and Continents(Geo)	8%
3.	Landforms and Life(Geo)	7%
4	Timeline and Sources of History(Hist)	8%
5	India, That is Bharat(His)	8%
6	The Beginnings of Indian Civilization(His)	7%
7	India's Cultural Roots(His)	8%
8	Unity in Diversity,or'Many in the One' (Civ)	7%
9	Family and Community(Civ)	6%
10	Grassroots Democracy-Part1: Governance(Civ)	7%
11	Grassroots Democracy-Part2:Local Government in Rural Areas(Civ)	6%
	Grassroots Democracy - Part3:Local GovernmentinUrbanAreas(Civ)	6%
13	The Value of Work(Eco)	7%
14	Economic Activities Around Us(Eco)	8%

Month	No of Days	ChapterName	Activities/Projects/ Practical ExperimentsToBe Held/Specific Assessment Tool(Suggested)
July, 2026	27	*Locatingplaces on the Earth (Geo) * Family and community (Civ)	*Globe & map activitydirection finding using compass. *Explainlocaltimeand standard time. *HideObjectsAround TheSchoolAnd provide their coordinates. * Draw family tree showing members and relationships. Roleplayactivityon responsibility of family members.
August, 2026	21	*Grassroots Democracy-Part 1: Governance (Civ) *Oceansand Continents (Geo) Contd.	*Governance structurechart. *Developglobe reading skill *Provide cut-out piece ofcontinents,
PWT-2 (10-12 AUGUST 2026)			
September, 2026	12	*Timelineand Sources of History (His) *TheValueof Work (Eco)	*Providepicturesof cions, inscription, monument, books and photographs. * Students classify them into primary and secondary sources. *Interview any worker (farmer, sweeper, shopkeeper etc.) Role play, Dignity of labor
Mid Term – (16-29 SEP 2026)			
October/November 2026	20	*Oceansand Continents (Geo) Contd. *India,Thatis Bharat (His)	*Eachstudent willprepare one fact card about: one continent. * Identify the 'Sapta Sindhava': Locate the northwest region and the seven rivers mentioned in the Rig Veda. * Mark the regions mentioned in the *Mahabharata*, such as Kashmir, Vanga (Bengal), and Kerala, to see

			how they "cover the entire geography of the Subcontinent"
October/November, 2026		*The Beginnings of Indian Civilization (His) *Landformsand Life (Geo)	* Students prepare a simple model of plannedcityandThe Great Bath, Seal drawing activity * Landformmodel group activity. Casestudydiscussion on particular one region.
December, 2026	15	*Unity in Diversity,or 'Manyinthe One' (Civ) *Grassroots Democracy-Part 2: Local Government in Rural Areas (Civ)	*Groupactivity,Each group selects one Indian state and presents. *MockgramSabha activity
PWT-3 (3-5 DEC. 2026)			
January, 2027	24	*Grassroots Democracy - Part 3: Local Governmentin Urban Areas (Civ) *Economic Activities AroundUs (Eco)	* Students prepare a chart showing Municipalcorporation Municipalcounciletc. *MockMunicipal meeting. *Localmarketsurvey,occupationchart making
February, 2027	24	* India'sCultural Roots (His)	* Studentsnarrateshort storiesofRamayana& Mahabharat & Jataka Tales. * Students draw or designRangoliWarli Art etc.
PWT-4 (4-6 FEB. 2027)			
March, 2027		**Revision Term end exam (15 - 27March2027)**	

NAVODAYA VIDYALAYA SAMITI

CLASS: VI				SUBJECT: COMPUTER
Month	No. of Days	Weightage	Units/Subunits/Topics to be Covered	Details of Activity/Practical/Projects
Apr-26/ June-26	22	10	**Computer Fundamentals (Part 1):** a) Brief History of Computers, Types of Memory (Primary/Secondary). b)Input and output devices c)Operating Systems: Windows 10/11/Linux basics. d)Exploring saved files e)performing basic operations like (Save, Copy, Cut, Paste, Save As)	Tour of the Computer Lab, write essays about the history of computers, and find the names of computer scientists.
PWT-I: 27-29 April 2026 [For all RO except RO, Hyd.] **23-25 June 2026 [For RO Hyd.]**				
Jul-26	27	20	**Computer Fundamentals(Part 2):** a)Shutting down the computer properly b) log in to the computer c)Connecting different devices to computers. d)opening and using basic applications on the computer (browsers, calculators, document editors, paint) e)Concept of hardware/software f)Basic notes creating & saving using Notepad/Text Editor.	Browse a website, use a calculator, identify input and output devices, how to use a keyboard/mouse, how to use computers, create text files and edit text files.
PWT II: 10-12 August 2026				

Month			Topic	Practical/Activity
Aug-26	21	15	**Using Paint(MS Paint/Pinta(OpenSource)):** Introduction a) Introduction to 3D paint Brush b) How to start a paintbrush c) Home tab d) Image menu command. e) Flip/rotate. f) Stretch/Skew g) Invert Colours h) Attributes. i) Clear Image. j) Pencil eraser, fill with colour, pickcolour, brush, airbrush, Text tool, shapes, magnifier	Practical- basic paint tools Importing images to paint Cropping and resizing an image Giving practical work that touches important tools in paint.
Sep-26	12	10	**Word Processing (Libre office Writer /MS Word/Google Docs (Part 1):** a) Document formatting: bold, italic, underline, font change, margins b) Tables, and Page Layout. c) Letter writing d) Headers/Footers e) Text Alignment – Left, Right, Centre, Justify f) Bullets and Numbering – Creating lists	Creating Projects Poster, Notice, Invitation Card, Letters
			Syllabus Completion for Term I: 10 September 2026	
			TERM I: 16-29 September 2026	
Oct-26 /Nov-26	20	20	**Word Processing(Libreoffice Writer /MS Word/Google Docs (Part 2):** a) Find and Replace b) Line Spacing and Paragraph Spacing c) Inserting Symbols and Special Characters d) Typing Practice and Keyboard Shortcuts (Basic) e) Inserting Pictures and Shapes f) Saving, Opening and Printing Documents g) Spell Check and Grammar Check	Creating Projects Poster, Notice, Invitation Card, Letters
Dec-26	15	15	**Internet & Safety: Netiquettes and Effective Web Searching(Part 1):** a) Introduction to the Internet – Meaning and basic uses b) Web Browser and Search Engine – Basic understanding (e.g., Google Chrome, Mozilla Firefox, Google Search) c) Effective Web Searching – Using proper	Searching on Google and finding information, an essay on Netiquette

			keywords d) Using Quotation Marks – Searching exact phrases e) Identifying Reliable Websites – Checking author and source f) Understanding Website Domains – .com, .org, .gov, .edu (basic idea) g) What is Netiquette? – Meaning and importance h) Rules of Netiquette – Polite language, no spamming, respectful communication	
PWT-III: 3-5 December 2026				
Jan-27	24	10	**Internet & Safety: Netiquettes and Effective Web Searching (Part 2):** i) Online Safety Rules – Not sharing personal information j) Strong Password Awareness – Importance of secure passwords k) Cyberbullying Awareness – Being kind and reporting issues l) Safe Downloading Practices – Avoid unknown links and attachments m) Digital Footprint – Understanding that online actions leave records n) Balanced Internet Use – Managing screen time responsibly	Stay Safe Online essay, Create a strong password guide, Be a cyber hero story writer, Safe download checklist making.
PWT-IV: 4-6 February 2027 [Except JNV Leh, Kargil, Shimla, Kullu, Lahul-spiti-RO Chandigarh may decide for these JNVs]				
Feb-27	24	—	Revision & Practical Assessment.	
Syllabus Completion for Term-II : 28 February 2027				
TERM END EXAM 15-27 March 2027				

नवोदय विद्यालय समिति

कक्षा – सातवीं   विषय – हिंदी

मल्हार – भाग 2 (कक्षा 7) के आधार पर पाठ्यक्रम विभाजन , वर्ष - 2026-27

क्रम संख्या	अध्याय इकाई का नाम /	उपभारांक	भारांक
01	अपठित गद्यांश अपठित पद्यांश	1×5 = 5 1×5 = 5	10
02	व्याकरण -वस्तुनिष्ठ प्रश्न मल्हार पुस्तक के पाठ्यक्रमानुसार) विराम चिह्न, कारक, संज्ञा , सर्वनाम , विशेषण, समानार्थी शब्द उपसर्ग प्रत्यय-, काल, क्रिया, मुहावरे, अनेकार्थी शब्द, पर्यायवाची शब्द, आदि(	1×20 = 20	20
03	मल्हार 2 गद्यांश आधारित प्रश्न (बहुविकल्पी प्रश्न (पुस्तक आधारित प्रश्न (वस्तुनिष्ठ प्रश्न) पुस्तक आधारित प्रश्न (लघु प्रश्न गद्य खंड) पद्यांश आधारित प्रश्न (बहुविकल्पी प्रश्न (पुस्तक आधारित प्रश्न (लघु प्रश्न पद्य खंड)	1×5=5 1×8=8 2×6=12 1×5=5 2×6=12	42
04	रचनात्मक लेखन पत्र लेखन / संवाद / अनुच्छेद चित्र वर्णन /	4×1=4 4×1=4	8
कुल अंक			80

आंतरिक मूल्यांकन	
सामयिक मूल्यांकन	05
बहुविध आकलन	05
पोर्टफोलियो	05
विषय संबंधी क्रियाकलाप	05
कुल	20

मल्हार - कक्षा सातवीं के आधार पर माहवार - पाठ्यक्रम विभाजन

माह	कार्य दिवस	पाठ्यक्रम निर्धारित विषयवस्तु /	क्रियाकलाप परियोजनाकार्य / परीक्षा
अप्रैल / जून 2026	22	पाठ 1 –माँकह , एक कहानी ,(कविता) अपठित गद्यांश व पद्यांश	 व्याकरण - विराम चिह्न	लयबद्ध वाचनकविता : को संगीत के साथ गाना	 पाठ के अंत में दी हुई गतिविधियों का आयोजन
		आवधिक परीक्षा अप्रैल 29-27) 1 --2026 (	
जुलाई 2026	27	पाठ 2 –तीन बुद्धिमान (लोककथा), पाठ 3 –फूल और काँटा (कविता) पत्रलेखन निमंत्रण / छुट्टी पत्र – पत्र व्याकरण - कारक, संज्ञा	लोककथा का नाट्य रूपांतरण (Role Play) औपचारिक एवं अनौपचारिक पत्र लेखन अभ्यास पाठ के अंत में दी हुई गतिविधियों का आयोजन

अगस्त 2026	21	पाठ 4 –पानी रे पानी (निबंध), विश्वेश्वरैया(पढ़ने के लिए) अनुच्छेद लेखन व्याकरण - समानार्थी शब्द, उपसर्ग प्रत्यय-	रोल प्लेजल : संरक्षण पर एक लघुनाटिका अनुच्छेद लेखन / पाठ के अंत में दी हुई गतिविधियों का आयोजन
		आवधिक परीक्षा (10-12 अगस्त -2026)	
सितंबर 2026	12	पाठ 5 –नहीं होना बीमार (कहानी) संवाद लेखन व्याकरण – सर्वनाम, विशेषण	स्वास्थ्य और स्वच्छता पर लघुनाटिका अनुच्छेद लेखन / पाठ के अंत में दी हुई गतिविधियों का आयोजन
		सत्रांत परीक्षा (16-29 सितम्बर -2026)	
अक्टूबर/ नवंबर 2026	20	पाठ 6 –गिरधर कविराय की कुंडलिया, पाठ 7 –वर्षा(कविता) बहार-, व्याकरण - काल पाठ 8 –बिरजू महाराज से साक्षात्कार नृत्यगाना सुधा चंद्रन (अतिरिक्त पठन) व्याकरण – क्रिया	दोहे और कुंडलियों का अर्थ सहित लेखन पाठ के अंत में दी हुई गतिविधियों का आयोजन | साक्षात्कार कौशलसहपाठियों : का इंटरव्यू लेना | पाठ के अंत में दी हुई गतिविधियों का आयोजन	

दिसंबर 2026	15	पाठ 9 –चिड़िया (कविता), व्याकरण - अनेकार्थी शब्द	प्रकृति अवलोकनपक्षियों : के जीवन पर एक प्रोजेक्ट रिपोर्ट। पाठ के अंत में दी हुई गतिविधियों का आयोजन
आवधिक परीक्षा दिसम्बर 5-3) 3 --2026 (			
जनवरी	24	पाठ 10 –मीरा के पद ,(पद) शब्दकोश व्याकरण -पर्यायवाची शब्द मुहावरे पाठ्यपुस्तक से संबन्धित) (	नए कठिन शब्दों का वाक्य प्रयोग	पाठ के अंत में दी हुई गतिविधियों का आयोजन
फरवरी	22	स्वामिभक्त सुमुख (पढ़ने के लिए) विजयी विश्व तिरंगा प्यारा (पढ़ने के लिए) व्याकरण - चित्र वर्णन	पाठ के अंत में दी हुई गतिविधियों का आयोजन	
आवधिक परीक्षा फरवरी 6-4) 4 --2027(			
मार्च		वार्षिक पुनरावृत्ति	संपूर्ण पाठ्यक्रम का अभ्यास		
सत्रांत परीक्षा 27-15) 2-मार्च -2027(			

NAVODAYA VIDYALAYA SAMITI

CLASS : VII SUB : ENGLISH

S.NO	Sections	Marks allotted
1	Section A - Reading	20 Marks
2	Section B - Writing	10 Marks
3	Section C - Grammar	10 Marks
4	Section D - Literature	40 Marks
	Total Marks	80 Marks
	Internal Assessment	20 Marks
	Grand Total	100 Marks

Month	NO.OF DAYS		Main topics and Sub-topics to be covered Textbook POORVI	Grammar activities / Composition	Activities/Projects/Practical Experiments to be held/ Specific Assessment Tool(s) (Suggested)
APRIL/JUNE	22		Unit 1 : Learning together 1.The Day the River Spoke 2. Try Again	1.Cross word puzzles 2.Prepositions 3.Adverbs 4. Dictionary Usage	1.Art/Sports/Toy/Story based activities related to the topics/chapters 2. Imagining as the character in the story and narrating. 3. Composing simple poems. Ex: Adding some similar lines to the poem (Try Again) 4. Speaking on Rivers in India
		PWT-1 / UT-1 As per schedule			
JULY	27		3.Three Days to See Unit 2: Wit and Humour 1.Animals, Birds and Dr.Dolittle 2. A Funny Man	1. Modal Verbs 2..Compound words 3. Descriptive Paragraph Writing 4. Palindromes	1. Dramatization/skit 2. Developing Visual input into story (Group Activity) 3. Narrating about the International Day of Persons with Disabilities 4. Story telling Pedagogy (Three Days to See) 5. Role-play (Street Performers or Clowns)

AUGUST	21		3.Say the Right Thing Unit 3: Dreams and Discoveries 1.My brother's Great Invention	1.Tenses 2.Notice 3.Phrasal Verbs 4.Suffixes 5. Kinds of Sentences 6. Binomials 7. Idioms	1. Just A Minute - A Moral Talk 2. Narrating a funny personal experience of cooking, learning a new skill etc. 3. Narrating a story about 'Goshala' 4. Composing a Simple Poem (Paper Boats) 5. Story telling+ toy-based pedagogy (My Brother's Great Inventions)
		Periodic Written Test 2 /UT2 – As per Schedule			
SEPTEMBER	12		2. Paper Boats (Revision of Syllabus up to Term I)	1.Opposite Words 2.Diary Writing 3.Subject - Verb Agreement. 4.Letter Writing (Formal) 5. Dialogue Writing	1. Role play 2. Interviewing friends 3. Reporting School Programs 4. Rearrange jumbled words/phrases
		TERM-I EXAM – As per schedule			
OCTOBER	25		3. North, South, East, West Unit 4 : Travel and Adventure 1.The Tunnel	1.Use of Would and Used to 2.Use of Punctuation Marks 3. Letter Writing (Informal) 4. Editing and Omitting. 5. Use of Has to, Have to and Had to	1. Discussion on North, South, East and South directions of India 2. Narrating about ancient places to visit in India 1. Vocabulary building activities. 2. Creative writing 3. Survey about a general topic. 4. Narrating about experience of a train journey 5. Narrating the Nations' pride Atal Tunnel and the history of Indian Railways

NOVEMBER	15		2.Travel	1.Punctuation Marks 2. Literary Devices 3.Parts of Speech 4.Articles	1. Adding more lines to the poem 'Travel' and composing similar poems 2. Discussion onsuccess story of the 'Make in India' 3. Presentation on heritage trains
DECEMBER	23		3.Conquering the Summit Unit 5 : Brave Hearts 1.A Homage to Our Brave Soldiers	1.Prefixes 2.Clauses 3. Collocations 4. Active Voice and Passive Voice.	1. Narrating about Indian Mountaineers 1. Presentation of Conversation between doctor and patient and similar ones 2. Narrating the experience of visiting to a War Memorial 3. Paragraph writing on the army's work during peace time 4. Preparation of a cause of Kargil War (operation Vijay)
			Periodic Written Test 3/ UT3 As per schedule		
JANUARY	12		2.My Dear Soldiers	1. Direct & Indirect Speech 2.Error Correction	1. Recipe writing dialogue completion 2. Narrating about the sacrifices made by the Armed Forces 3. Composing simple poems on the theme of 'My Dear Soldiers' 4. Narrating how the Armed Forces contribute their services during the times of natural calamities (floods, earthquakes, etc.)
			Periodic Written Test 4 as per schedule		

		3. Rani Abbakka	1.Kinds of Subordinate Clause 2. Combined Grammar Practice	1. Listening to Motivational Talks 2. Discussion the role of women in Armed Forces 3. Narrating about any one brave woman to remember because of her achievements
FEBRUARY	18			
		Revision for Term–II Exam		
MARCH	12	**Revision for Term–II Exam**		
		TERM- II EXAM - From 15 March 2027 to 27 March 2027		

NOTE:

1. Relevant unit from work book may be taken up.

2. Internal Assessment as per guidelines given by CBSE/ NCERT may be done

3. Any changes in the syllabus, if announced by CBSE / NCERT during the academic year 2026-27 has to be incorporated in the split up syllabus by the concerned teacher and principal accordingly.

4. Classroom transactions may be corresponding to NEP-2020.

(Let us listen, let us speak, let us write, let us explore, let us learn, let us think and reflect, let us discuss etc. Activities to be conducted for focusing linguistic skills through activity based learning.)

NAVODAYA VIDYALAYA SAMITI

CLASS: VII SUBJECT: MATHEMATICS

SPLIT UP OF SYLLABUS FOR ACADEMIC YEAR:-2026-27

Chapter Number	Name of the Chapter	Marks	Periods
Term-I			
I-1	Large Numbers Around Us	10	15
I-2	Arithmetic Expressions	10	10
I-3	A Peek Beyond the Point	10	10
I-4	Expressions using Letter-Numbers	10	16
I-5	Parallel and Intersecting Lines	10	10
I-6	Number Play	10	16
I-7	A Tale of Three Intersecting Lines	10	10
I-8	Working with Fractions	10	16
	TOTAL	80	113
Term-II			
II-1	Geometric Twins	10	15
II-2	Operations with Integers	10	10
II-3	Finding Common Ground	15	16
II-4	Another Peek Beyond the Point	10	16
II-5	Connecting the Dots...	15	13
II-6	Constructions and Tilings	10	6
II-7	Finding the Unknown	10	6
		80	82

Note- 1) The teachers can refer NCERT Activity/Lab   manual for conducting activities.

2) Teachers may arrange special classes to Complete the syllabus as per given in Split up of Syllabus Schedule.

Month	No of Days	Name of the Chapter	Marks	No of Periods	Assessment
Term-I					
APRIL/JUNE 2026	25	**Chapter:-1 — Large Numbers Around Us** • How much is One Lakh? — context and scale • Place value — the land of tens • Reading and writing large numbers • The Indian Number System (crores, lakhs) • The International Number System (millions, billions) • Converting between Indian and International systems • Rounding and estimation • Patterns in multiplication (as per examples in text) **Chapter:-2 — Arithmetic Expressions** • Forming expressions from real-life situations • Terms in an expression • Order of operations — BODMAS (introduction) • Types of brackets — round, curly, square; nested brackets • Evaluating and simplifying expressions step by step • Expressions involving all four operations • Real-life contexts — budgets, scoring, measurements	10 10	15 10	**Activity No. 1.** Place value Table **Assignment 1.**
		Periodic Written Test - I			
JULY 2026	27	**Chapter:-3 — A Peek Beyond the Point** • Fractions to decimals — recap; equivalence • Reading, writing, comparing and ordering decimals • Addition and subtraction of decimals • Multiplication of decimals by whole numbers • Multiplication of decimals by decimals • Division of decimals • Real-life applications — measurement, money, data **Chapter:-4 — Expressions using Letter-Numbers** • Letters in place of numbers — purpose and need • Writing algebraic expressions from patterns and situations • Terms and coefficients in an expression • Evaluating expressions for given values of the variable • Simplifying expressions — combining like terms • Expressions for perimeter, area and real-life contexts • Generalising arithmetic rules using letter-numbers	10 10	10 16	**Activity 2.** Represent the decimal numbers on number line.

AUGUST 2026	24	**Chapter:-5 — Parallel and Intersecting Lines** • Intersecting lines — linear pairs; vertically opposite angles • Parallel lines — definition; notation (l ‖ m) • Perpendicular lines • Position of a point relative to a line • Paper folding — verifying parallelism and perpendicularity • Transversals — angles formed • Corresponding angles (equal when lines are parallel) • Alternate angles (equal when lines are parallel) • Co-interior / allied angles (supplementary when parallel) • Drawing parallel lines using set squares and protractor • Parallel illusions	10	10	**Assignment 2.** **Activity 3.** Verify the vertically opposite angles are equal.
		Periodic Written Test – II			
		Chapter:-6 — Number Play • Parity — odd/even of sums, differences, expressions • Filling number grids — row and column conditions • Magic squares — creation, generalisation, given central number • The Virahanka sequence • Cryptarithms (alphametics) **Ch. 7 — A Tale of Three Intersecting Lines** • Elements of a triangle — sides, angles, vertices • Types by sides: equilateral, isosceles, scalene • Types by angles: acute, right, obtuse • Triangle inequality	10 5	9 5	**Activity 4.** Corresponding and alternatives angles are equal in parallel lines
SEPTEMBER 2026	12	**Ch. 7 -A Tale of Three Intersecting Lines (Continued…..)** • Angle sum property (sum = 180 degrees) • Exterior angle of a triangle and its properties • Constructing triangles with given measurements **Ch. 8 — Working with Fractions** • Revision — proper, improper, mixed fractions; equivalent fractions • Multiplication of a fraction by a whole number • Multiplication of a fraction by a fraction • Reciprocal of a fraction Division of a fraction by a whole number and by a fraction • Word problems and real-life contexts	5 10	5 10	**Activity 5.** Angles sum property of triangle **Activity 6.** Verify exterior angle of triangle equal to interior opposite angles
Term-I Examination					

Month	Periods	Content			Activities
OCTOBER TO NOVEMBER 2026	20 to 30	**Part II — Ch. 1 Geometric Twins** • Congruent figures — introduction; superposition method • SSS Congruence Condition • AAA does not guarantee congruence -counter-examples • SAS Congruence Condition • ASA Congruence Condition • RHS Congruence Condition • Properties of isosceles triangles; applications	10	15	Activity No. 7. A), B), C) to verity a criteria of SAS, RHS, ASA
		Part II — Ch. 2 Operations with Integers • Operations on integers — number line and models (recap) • Addition and subtraction of integers • Multiplication of integers — sign rules; token model • Properties: closure, commutativity, associativity, identity, distributive • Division of integers — sign rules; relationship to multiplication • Sign rule for products of multiple integers • Expressions with all four integer operations • Real-life applications — temperature, elevation, test scoring	10	15	

Periodic Written Test – III(3 TO 5 DECEMBER)

Month	Periods	Content			Activities
DECEMBER 2026	20	**Part II — Ch. 3 Finding Common Ground** • Factors, multiples, prime numbers — recap • Prime factorisation — successive division; factor trees • Finding all factors from prime factorisation • Highest Common Factor (HCF) — using prime factorization • Lowest Common Multiple (LCM) — using prime factorisation • Combined HCF and LCM procedure • Relationship: Product of two numbers = HCF x LCM • Patterns — consecutive numbers, co-prime pairs, even/odd • Real-life applications — scheduling, tiling, arrangement	15	20	Activity No. 8. Addition and Subtraction on Number Line **Assignment 3.**
JANUARY 2027	15	**Part II — Ch. 4 Another Peek Beyond the point** • Decimal place value — recap; fractions to decimals • Multiplication: decimal by whole number • Multiplication: decimal by decimal — counting decimal places • Division: decimal by whole number • Division: decimal by decimal • Decimals and powers of 10 (x10, x100, x1000) • Real-life applications — unit conversions (g/kg, cm/m, money)	10	16	

FEBRUARY 2027	25	**Part II — Ch. 5 Connecting the Dots** • Mean (arithmetic average) — calculation; real-life contexts • Median — odd and even number of observations • Mode — most frequent value; multi-modal data • When to use mean, median, or mode • Dot plots; variability and spread of data • Bar graphs and double-bar graphs — draw, read, interpret • Choosing an appropriate scale • Interpretation of data from real-life contexts	15	13	**Assignment 4.** **Activity No. 9** Construction of Bar Graph for given data.
		Periodic Written Test – III(4 To 6 February)			
		Part II — Ch. 6 Constructions and Tilings • Introduction to perpendicular bisector through activity • Perpendicular bisector — justification using SSS; ruler and compass construction • Copying a given angle using compass and ruler • Bisecting an angle using compass • Constructing triangle: SSS — three sides given • Constructing triangle: SAS — two sides and included angle • Constructing triangle: ASA — two angles and included side • Constructing perpendicular lines	10	06	**Activity 10.** Construction of double bar graph for given data.
		Part II — Ch. 7 Finding the Unknown • From expressions to equations — LHS and RHS • Balance model — same operation on both sides • Solution (root) of an equation • Forming equations from real-life situations • Solving one-step and multi-step linear equations	10	06	
MARCH 2027		**Revision and Term-II Examinations**			

Note-

   1) The teachers can refer NCERT Activity/Lab manual for conducting activities.

    2) Teachers may arrange special classes to Complete the syllabus as per given in Split up of Syllabus Schedule.

NAVODAYA VIDYALAYA SAMITI

CLASS VII   **SUBJECT: SCIENCE**

Unit No	Month	Name Of The Chapter/Unit	DAYS
1	April/ June	The Ever-Evolving World of Science	22
2		Exploring Substances: Acidic, Basic, and Neutral	
3	July	Electricity: Circuits and their Components	27
4		The World of Metals and Non-metals	
5	August	Changes Around Us: Physical and Chemical	21
6		Adolescence: A Stage of Growth and Change	
	September	REVISION FOR HALF YEARLY	12
7	October	Heat Transfer in Nature	20
8	November	Measurement of Time and Motion	20
9	December	Life Processes in Animals	15
10		Life Processes in Plants	
11	January	Light: Shadows and Reflections	14/24
12	February	Earth, Moon, and the Sun	24
	March	Revision for Annual Exam	
		TOTAL MARKS	**80 Marks**
		INTERNAL ASSESSMENT	**20 Marks**
		GRAND TOTAL	**100Marks**

Month	No. of Days	Chapter No	Chapter Name	Main topics and sub topics to be covered	Activities/Project/Practical Experiments to be held/specific Assessment Tool(s)(suggested)
April/ June 2026	22	1	The Ever-Evolving World of Science.	Science, discoveries, experiments, Scientific thinking, explore, contribution of scientists.	To study about famous scientists and their contribution in the development of mankind. (assignment can be given for internals)
		2	*****Exploring Substances: Acidic, Basic and Neutral	Acidic substances, basic substances, neutral substances, Indicators Neutralization reaction, applications of neutralization in our daily life.	1. To study the nature of the substances using litmus paper 2. To prepare red rose indicator for testing acids and bases. 3. To use turmeric paper as indicator for bases. 4. To demonstrate the neutralization reaction.
			PERIODICWRITTENTEST–I(27/4/26-29/4/26)/(23/6/26-25/6/26)		
July 2026	27	3	Electricity : Circuits and their Component	Electric circuit, Circuit components, conductors and insulators, symbols of components, circuit diagram.	1. Making a simple electric Circuit. 2. Identifying conductors and insulators.
		4	The World Of Metals and Non-metals	Physical Properties of metals and non-metals. Chemical properties of metals and non-metals. Uses of metals and nonmetals.	1. Observation of Properties like lustre, Hardness in metals and non metals. 2. To perform activity to show the conductivity of heat and electricity through metals 3. To study the chemical properties of metals through hands on experiments.
August 2026		5	*Changes Around Us: Physical And Chemical.	Physical changes, Chemical changes, Reversible and irreversible changes	Activities showing rusting, burning, melting and freezing
			PERIODIC WRITTEN TEST II– (10/8/26-12/08/26)		

Month		No.	Chapter	Topic	Activities
August 2026	21	5	(Contd) Changes around us	Chemical reactions	1. Reaction of vinegar and baking soda. 2. Reaction of Carbon di-oxide on lime water. 3. Burning of Magnesium ribbon. 4. To show the process of combustion. a) Focusing the sun rays on a paper through magnifying glass. b) Burning of candle . Videos on weathering of rocks and soil erosion.
		6.	Adolescence: A Stage of Growth and Change	Puberty, physical And emotional Changes, Hormones, Health and hygiene, Balanced physical life, Avoiding harmful substances.	1. Discussion – Most common changes during growing up. 2. Impact of Emotional changes on our behavior (role Play) 3. And awareness through Chart preparation on Healthy life Style. 4. To show motivational movies that encourage students to have a balanced social life, self discipline And personal growth.
September-2026	12		REVISION FOR HALF YEARLY EXAM: 1/9/26– 15 /9/26 HALF YEARLY EXAMINATION: 16/9/26– 29/9/26		
October-2026	20	7	Heat Transfer in Nature	Heat transfer: Conduction, Convection and Radiation, Effects of Heat Water Cycle.	1. Demonstration of: a) Conduction in metals b) Convection in liquids and gases. 2. Measurement of temperature of soil and water in order to teach about sea breeze and land breeze. 3. To make a poster on Water Cycle. 4. To study about rain water harvesting and seepage of water into the ground (through videos)

Month				Topic	Sub-topics	Activities
			Holidays Assignment for Autumn Break to be given			
			AUTUMN BREAK			
			SUBMISSION AND EVALUATION OF HOLIDAYS' ASSIGNMENT			

November 2026	20		8	Measurement of Time and Motion	Types of motion, measurement of time, A Simple pendulum, Speed, Uniform and Non Uniform Linear Motion	1. To construct:
						  a) Water Clock
						  b) Sand Clock
						2. To perform an activity to calculate the time period of a given pendulum.
						3. To calculate the speed of moving objects

December 2026	15		**PERIODIC WRITTENTEST– III (3/12/26– 5/12/26)**			
			9	Life Processes in Animals	Nutrition in animals: Human beings, Ruminants, birds. Respiration in Humans and other Animals.	1. To study the effect of saliva on Starch. 2. To prepare the lungs model. 3. To investigate the effect of exhaled air on Lime water.
			10	Life Processes in Plants	Photosynthesis, Respiration in Plants, Transport in plants, Transpiration	1. To demonstrate Starch test in leaves. 2. Effect of sunlight and water on plant growth. 3. To test the presence of starch in non green parts of the leaves. 4. To demonstrate that CO_2 is essential for Photosynthesis. 5. Oxygen is evolved during Photosynthesis. 6. Observation of Stomata under microscope.
January 2027				Light Shadows and reflection	Sources of light,	1. To show light travels in a straight line. 2. To study about

	14/24	11	Light Shadows And Reflection	Shadow formation, Reflection of light, Image formation in a plane mirror. Pinhole Camera, Periscope, Kaleidoscope.	transparency of light through different materials. 3. Conditions needed for shadow formation. 4. To study the reflection of light through a plane mirror 5. To learn about Pinhole Camera, Periscope, Kaleidoscope.
February 2027	24	**PERIODIC WRITTEN TEST IV- (4/2/27-6/2/27)**			
		12	Earth, Moon and the Sun	Rotation and Revolution, Change of day and night, Change of seasons, Solar and Lunar Eclipse.	1.Using a globe and torch to learn about change in day and night. 2. Watching videos with regard to Change of seasons.
		REVISION FOR ANNUAL EXAM			
March 2027		**REVISION FOR ANNUAL EXAMINATION** **TERM II (ANNUAL) EXAMINATION - (15/3/27-27/3/27)**			

NOTE:
1. Activities should be performed when the lesson is being taught and should be integrated with the chapter as per the new pedagogical approach and NEP.

   2. 20% of the term syllabus (**star marked chapters**) should be revised and covered in the Term II question paper along with the entire Term II syllabus.

   3. All extra information given in the boxes in the chapters along with the Exploratory Projects given at the end of the chapters can be assessed for internals.

NAVODAYA VIDYALAYA SAMITI

SPLIT UP OF SYLLABUS

FOR THE ACADEMIC SESSION 2026-27

Class: VII   **SUBJECT- SOCIAL SICENCE**

MONTH	TOPIC	NO.of Days	ACTIVITIES/PROJECTS/ PRACTICAL EXPERIMENTS/SPECIFIC ASSESSMENTS [SUGGESTED]
APRIL/ JUNE 2026	Geographical Diversity of India	06	Prepare models of different land forms. Region wise poster making about land forms. Comparison chart about rainfall, temperature and vegetation
	New Beginnings: Cities and States	06	Comparison chart - city and village. Role play. Picture based learning.
	* From Barter to Money	06	Story telling – The Journey of money. Time line activity evolution of money Group discussion related to the topic
PWT -1 27-29 April 2026(For all ROs except RO Hyd) 23-25 April 2026 for RO Hyd)			
JULY 2026	The Rise of Empire	06	Time line activity Map work Compare and contrast activity Role play
	*The Gupta Era: An Age of Tireless Creativity	06	Role play-life in the Gupta period Creative writing activity Picture based activity Flow chart
AUGUST 2026	* Understanding the Weather	05	Preparation of weather diary. Activities based on weather instruments. Map based activity Quiz

MONTH	TOPIC	NO.of Days	ACTIVITIES/PROJECTS/ PRACTICAL EXPERIMENTS/SPECIFIC ASSESSMENTS [SUGGESTED]
			PWT -2(10-12 August 2026)

MONTH	TOPIC	NO.of Days	ACTIVITIES/PROJECTS/ PRACTICAL EXPERIMENTS/SPECIFIC ASSESSMENTS [SUGGESTED]
	The constitution of India –an introduction	05	Class room discussion Assignment – constitutional assembly Word meaning activity
SEPTEMBER 2026	The Age of Reorganization	05	Time line activity Map work Cause and effect chart Role play Picture based activity
	Climates of India	05	Map work, climatic factors, Activity- seasons of India Group discussion Work sheet preparation
	*Understanding Markets	05	Skit on weekly market. Observation of Markets Comparison chart of types of markets Digital market awareness.
	MID TERM EXAM 16 to 29 SEPTEMBER 2026		
OCTOBER 2026	From the Rulers to the Ruled: Types of Governments	06	Chart preparation- types of Governments, Role play Comparison table, Class mock election, Preparation of short questions
	How the land becomes Sacred	07	Role play, Story telling Map work Picture based learning Creative writing activity
NOVEMBER 2026	The Story of Indian Farming	08	Soil map, interview with farmers, field visit, crop calendar activity, mention the crop and the area Discussion on traditional and modern farming
	The State, the Government, and you	05	Chart activity, Role play project work, Quiz

DECEMBER 2026	**PWT- 3 (3-5 DEC 2026)**		
	India and Her Neighbours	05	Mapwork, preparation of table about country, capital, and coin
JANUARY 2027	Empires and Kingdoms:6th to 10th Centuries	06	
	Infrastructure: Engine of India's Development	06	Chart preparation, Map work Role play, Cause and effect flow chart, Case study
	Turning Tides: 11th and 12th Centuries	06	Maps and route activity Time line project Poster making

	PWT -IV(4-6 FEB 2027)		
FEBRUARY 2027	India , a home to many	07	Map work, Discussion on Values, Flow chart preparation
	Banks and the Magic of Finance	07	Role play - Bank in action Money journey flow chart Picture based learning Awareness activity Assignment- Functions of bank
	Revision		
MARCH 2027	Revision		
TERM END EXAM-15 MARCH 2027			

* - Recommended for Term End examination (20%)

NAVODAYA VIDYALAYA SAMITI

CLASS: VII				SUBJECT: COMPUTER
Month	No. of Days	Weightage	Units/Subunits/Topics to be Covered	Details of Activity/Practical/Projects
Apr-26/ June-26	22	10	**Introduction to Computer Networks(Part 1):** a) What is a network? b) Types of Network c) What is Network Cabling? d) Types of cables used in networks e) Computer network components Introduction to internet: a) What is the internet? b) Applications of the Internet.	Learn about different types of cables used in networking. For example, the Students can observe and understand the types of cables used in the computer lab for networking. Differentiate between World Wide Web and internet.
PWT-I: 27-29 April 2026 [For all RO except RO, Hyd.] **23-25 June 2026 [For RO Hyd.]**				
Jul-26	27	20	**Introduction to Networks (Part 2):** a) Web Browsers b) Search engines. c) World Wide Web. d) Saving information from the internet Computer Security: a) Threats to the Computer b) Virus and its Types c) Antivirus d) Software and Types of Software e) Firewall and its use f) Cyber Crime g) Backup and Restore h) Cyber Law and its importance	Quiz on identifying safe websites. Report writing on the internet and cyber safety after using the internet in the computer lab.
PWT II: 10-12 August 2026.				

Aug-26	21	15	**Spreadsheets (MS Excel/Google Sheets/Libre Office Calc):** a)Introduction workbook & Worksheet use in day-to-day life. b)Steps to start Spreadsheets c)Components of the Spreadsheets screen d)Various data types e)Cell reference f)Functions g)Sorting of Data h)Filtering Data i)Conditional Formatting **Working with presentations(MS PowerPoint/Google Slides/Libre Office Impress)** a)What are presentations? b)Insert a new slide. c)Insert an image. d)Word art. e)Audio and video. f)Transitions in the slide.	Prepare a presentation on a topic of the student's choice. Gather information from the internet (from websites like Wikipedia, art, and images). Prepare basic spreadsheets, such as consolidated exam results. Prepare a presentation on cyber safety and security. Use images and multimedia in presentations.
Sep-26	12	10	**Handling Emails(Gmail):** Creating Account Features of Account Compose Mail Upload & Attachment Downloading Forwarding and Reply Recipient	Create an email account, draft an email, send and receive emails, reply to an email, forward email
Syllabus Completion for Term I: 10 September 2026				
TERM I: 16-29 September 2026				
Oct/Nov 2026	20	20	**Basics of Multimedia (Openshot, Audacity, VLC Player):** a)Definition and use of Multimedia b)Hardware and Software Required c)Media Player d)How to open and use e)Sound Recorder	Create and merge videos using any of the software(open source preferred), add basic transition effects, music, and images in the video display and discuss the created video projects(may create groups for this project)

Dec-26	15	15	a) Merging multiple videos b) Inserting Image c) adding transitions and soundtrack d)Exporting video	
PWT-III: 3-5 December 2026				
Jan-27	24	5	**Basics of cloud storage (Google Drive, MS OneDrive/any other similar cloud storage):** a)Upload/Download files on cloud storage b)Organise files in cloud storage (Rename, Folder creation, change colour of folder) c)Advantages and disadvantages of cloud storage	Use the email account created earlier to open a cloud storage account and perform upload, download, and folder creation practical.
PWT-IV: 4-6 February 2027 **[Except JNV Leh, Kargil, Shimla, Kullu, Lahul-spiti-RO Chandigarh may decide for these JNVs]**				
Feb-27	24	—	Revision & Practical Assessment.	
Syllabus Completion for Term-II: 28 February 2027				
TERM END EXAM 15-27 March 2027				

नवोदय विद्यालय समिति

पाठ्यक्रम-विभाजन 2026-27

कक्षा – 8   विषय – हिन्दी 'अ' कोर्स

वार्षिक परीक्षा हेतु अंक भार विभाजन

खंड – अ

क्रमांक	विषय वस्तु एवं परीक्षा हेतु अंक विभाजन कुल भार	उपभारांक	उपभारांक	कुल भार
1	अपठितांश (क) अपठित गद्यांश 1+1+1+1+1 (ख) अपठित काव्यांश 1+1+1+1+1		5 5	10
2	व्याकरण पाठ्यक्रम अनुसार 1×20		20	20
3	पाठ्य पुस्तक - मल्हार भाग- 3 (क) गद्यांश आधारित प्रश्न 1+1+1+1+1 गद्य खंड आधारित प्रश्न 2×6 (ख) काव्यांश आधारित प्रश्न 1+1+1+1+1 काव्य खण्ड आधारित प्रश्न 2×6 पाठ्य पुस्तक पर आधारित प्रश्न लघु उत्तरीय प्रश्न 1×8		05 12 05 12 8	42
5	रचनात्मक-लेखन (क) निबंध लेखन (विकल्प सहित) (ख) पत्र लेखन /संवाद लेखन (विकल्प सहित)		04 04	8
	कुल			80
	आंतरिक मूल्यांकन			20
	सामयिक आकलन		05	
	बहुविध आकलन		05	
	पोर्टफोलियो		05	
	विषय समृद्धि क्रियाकलाप		05	
	कुल योग			100

वार्षिक अंक वर्गीकरण प्रारूप

सामयिक आकलन	बहुविध आकलन	पोर्टफोलियो	विषय समृद्धि क्रियाकलाप	अर्द्धवार्षिक परीक्षा	कुल योग
05	05	05	05	30	50

पाठ्यक्रम विभाजन 2026-27

कक्षा आठवीं विषय हिंदी - अ

माह	कार्य दिवस	पाठ का नाम /विषयवस्तु	विषय संबंधित क्रियाकलाप
अप्रैल/ जून 2026	24	मल्हार भाग -3 1. स्वदेश (कविता)- गयाप्रसाद शुक्ल 'सनेही' 2.दो गौरैया (कहानी)- भीष्म साहनी व्याकरण – वर्ण विचार - संक्षिप्त परिचय विराम चिह्न क्रिया विशेषण अपठित गद्यांश औपचारिक पत्र लेखन	1 तिरंगा झंडा – कब प्रसन्न और कब उदास सोने से पहले पूरे दिन के कार्यों को याद कीजिए कि आपके किन कार्यों से तिरंगा झंडा उदास हुआ होगा और किन कार्यों से तिरंगे झंडे को प्रसन्नता हुई होगी	ऐसे पांच कार्यों की सूची बनाना | 2. किसी एक पक्षी के घोंसले का चित्र बना कर उस पक्षी की जानकारी लिखिए	
		आवधिक परीक्षा-1 (27 से 29 अप्रैल 2026)	

जुलाई 2026	27	मल्हार भाग -3 मित्रलाभ (कहानी) पंचतंत्र से (पढ़ने के लिए) 3.एक आशीर्वाद (कविता)- दुष्यंत कुमार व्याकरण – पर्यायवाची / समानार्थी शब्द शब्द रचना: उत्पत्ति के आधार , अर्थ के आधार पर ,रचना के आधार पर शब्द के भेद क्रिया पत्र लेखन (अनौपचारिक पत्र) अपठित काव्यांश	अपने माता-पिता या अभिभावक से उनके द्वारा देखे गए सपने और इच्छाओं के बारे में पूछिए कि वे क्या करना चाहते थे या चाहते हैं ? एक तालिका बनाकर उनके सपनों को लिखिए – माता ,पिता, दादा, दादी,नाना ,नानी, बहन,भाई आपके शिक्षक आदि	(ये कार्य बच्चों को ग्रीष्मावकाश में दिया जा सकता है	)
अगस्त 2026	21	मल्हार भाग -3 4 हरिद्वार (पत्र) भारतेंदु हरिश्चंद्र व्याकरण – काल लोकोक्तियाँ है और हैं का प्रयोग उपसर्ग - प्रत्यय संवाद लेखन	1 कुछ मित्रों का समूह यात्रा पर जा रहा है	मार्गदर्शक या टूरिस्ट गाइड के रूप में उनकी यात्रा को सुविधाजनक बनाने के लिए एक सूची बनाइए	 2 काल और उसके भेद का चार्ट तैयार करना
		आवधिक परीक्षा-2 (10 से 12 अगस्त 2026)	
सितम्बर 2026	1 2	कदम मिला कर चलना होगा -अटल बिहारी वाजपेयी (पढ़ने के लिए) 5 कबीर के दोहे – कबीर व्याकरण – कारक निबंध लेखन पुनरावृति - अर्द्धवार्षिक परीक्षा	1 कदम मिला कर चलना होगा	सचित्र कविता लिखिए| 2 कबीर के दोहों का सस्वर वाचन	
		अर्द्धवार्षिक परीक्षा (16 से 29 सितम्बर 2026)	

बर / नवम्बर 2026	20	मल्हार भाग -3 6 दो टोकरी भर मिट्टी (कहानी) - माधवराव सप्रे व्याकरण - मुहावरे वचन अक्षरों से सार्थक शब्द बनाना वाक्य विस्तार पत्र लेखन (अनौपचारिक पत्र) 7 मत बांधो (कविता) महादेवी वर्मा व्याकरण – संधि काल पत्र लेखन (औपचारिक पत्र)	1 अक्षरों से सार्थक शब्द बनाना 2 घर-घर की कहानी – अपने घर के बड़े बूढों से उनके बचपन के घरों बारें में साक्षत्कार कीजिए	आप जिस घर में रह रहे हैं कबसे रह रहे हैं? इसमें आने के पीछे की क्या कहानी है ? इसके बारे में लिखिए	 वाद -विवाद कक्षा में पांच -पांच विद्यार्थियों का समूह बनाकर वाद -विवाद गतिविधि का आयोजन विषय – व्यक्ति को बांध सकते है उसकी कल्पना और विचारों को नहीं	 समूह -1 व्यक्ति की कल्पना और विचारों पर नियंत्रण आवश्यक है	 समूह -2 स्वतंत्र विचार और कल्पना प्रगति के लिए आवश्यक है	
दिसंबर 2026	15	8 नए मेहमान (एकांकी) - उदयशंकर भट्ट व्याकरण – निपात ('भी''ही' और 'तो' का प्रयोग) शब्द व वाक्य अशुद्धियां मुहावरे अलंकार - अनुप्रास निबंध लेखन	अतिथि देवो भव – आप अतिथि का स्वागत कैसे करेंगे ? अभिवादन , प्रसिद्ध स्थल-भ्रमण, प्रसिद्ध व्यंजन आदि की सूची बनाइए	
		आवधिक परीक्षा -3 **(3 से 5 दिसम्बर 2026)**	

जनवरी 2027	12	9 आदमी का अनुपात (कविता) गिरिजा कुमार माथुर 10 तरुण के स्वप्न (उद्बोधन) -सुभाषचंद्र बोस व्याकरण – विशेषण और विशेष्य लिंग अनेकार्थी शब्द विपरीतार्थक शब्द	1 अपने जीवन में इसी तीन दीवारों के बारे में सोचिए जो आपने स्वयं खड़ी की हैं (जैसे – डर , संकोच आदि) एक योजना बनाइए कि आप उनको कैसे तोड़ेंगे ? 2 प्रसिद्ध स्वतंत्रता सेनानियों के नाम और उनके प्रसिद्ध नारों की सूची बनाइए	विपरीतार्थक / अनेकार्थी शब्द का चार्ट तैयार करना
फ़रवरी 2027	24	भारती , जय विजय करे ! - सूर्यकांत त्रिपाठी निराला (पढ़ने के लिए) व्याकरण – वाक्य – वाक्य के अंग , रचना के आधार पर वाक्य भेद अलंकार – उपमा संवाद लेखन		1 भारती ,जय विजय करे ! सचित्र कविता लेखन वाक्य – वाक्य के अंग , रचना के आधार पर वाक्य भेद का चार्ट बनाना	
		आवधिक परीक्षा – 4 (4 से 6 फ़रवरी 2027)	
मार्च 2027		पुनरावृति	
		वार्षिक परीक्षा (15 – 27 मार्च 2027)	

नोट – वार्षिक परीक्षा में निम्नलिखित पाठ से भी प्रश्न पूछे जाएंगे |

1 एक आशीर्वाद (कविता)

2 दो गौरैया (कहानी)

NAVODAYA VIDYALAYA SAMITI

CLASS: VIII SUBJECT: ENGLISH

S.N.	SECTIONS	MARKSALLOTTED
1	SectionA-Reading	20Marks
2	SectionB-Writing	10Marks
3	SectionC-Grammar	10Marks
4	SectionD-Literature	40Marks
	TotalMarks	**80Marks**
	InternalAssessment	20Marks
	GrandTotal	**100Marks**

Month	No. of Days		Main topics and sub topicstobecovered	Grammar activities/Compositio n	Activities/Project/P ractical Experimentstobe held/specific AssessmentTool(s) (suggested)
April-2 026/ June 2026	22		**Unit-1WitandWisdom** Prose–TheWitthatWon Hearts Poem -A Concrete example	Tense(Simple Present,SimplePast, PastPerfect) Clauses (If Clause) CompoundWords QuestionWords Writing – Narrative Essay RhymeScheme PoeticDevices (Refrain,Irony,Pun Alliteration,Personific ation, Onomatopoeia) Writing– Notice Writing	QuoteCollection– Proverbsorsayings aboutWisdomand Intelligence Chartpreparation showingAbstract ideasandtheir Concreteexample fromdailylife **PWT-1**
July 2026	27		Prose – Wisdom Paves the Way **Unit–2Valuesand Dispositions** Prose–AtaleofValour: MajorSomnathSharma andtheBattleofBadgam	NounsandVerbs Modal Verbs Writing–Formal Letter(Letterof Complaint Idioms CollectiveNouns Subject -Verb Agreement Writing-Formal Letter(Letterof Enquiry)	RolePlayshowing problemsolving throughwisdom Prepare a collage of warheroesand newspaperreport/ Speech on bravery (MajorSomnath Sharma)
August 2026	21		Poem–Somebody's Mother Prose – Verghese Kurien-ITooHadADream	PoeticDevices– Simile,Metaphor, Repetition,Imagery Writing–DiaryEntry Synonyms &Antonyms Punctuation	Group Discussion on'Kindnessand helpingothers'

				Contractions Prepositions &Prepositional Phrases JumbledWords Writing – Informal LetterWriting	PosterMaking– ImportanceofMilk Cooperatives/ Diary entry imaginingmeeting VergheseKurien **PWT-2**
Septe mber- 2026	12		**Unit-3Mysteryand Magic** Prose – The Case of the Fifth Word	PhrasalVerbs Homophones PicturePuzzle Spoonerism Direct – Indirect Speech Writing – Report Writing(Event)	WordPuzzlesolving andVocabulary buildingactivities **MidTermExam**
Octobe r-2026	25		Poem–TheMagicBrush ofDreams Prose – Spectacular Wonders	ExclamatoryWords Intonation in Imperative Sentences Writing – Imaginative Essay Binomials Participles(Present Participle,Past Participle Gerund Writing – Descriptive Essay	DrawingActivity– Imaginingthings created by a magic brush Picture collection/ Collageoffamous worldwonders
Novem ber 2026	15		**Unit–4Environment** Prose – The Cherry Tree Poem–HarvestHymn	Antonyms Tenses – Past Tense Punctuation Writing– Article Writing PoeticDevices (Imagery, Alliteration,Simile, Personification, Repetition, Symbolism) Synonyms ArchaicWords Writing – Slogan Writing	Drawing/ Chart showing stages of plantgrowth GroupDiscussion on'Importanceof harvestand farmers'hardwork PoetryRecitation (HarvestHymn) Infographson crops/ millets, project on irrigationsystem inadroughtprone area,Harvest festivalsofIndia

Month	No. of days		Reading/Literature	Grammar & Writing	Activities/Projects
December 2026	23		Prose – Waiting for the Rain **Unit – 5 Science and Curiosity** Prose–FeatheredFriend	Homophones Adjective-Noun Collocation Tenses – Present Tense Determiners Writing–Formal Letter Adjectives Merged words Tenses– Future Tense Writing–Article Writing	Poster/Drawing showingrainy seasonandwater cycle Observationof birds in surroundings and recordingtheir behaviour **PWT-3**
January2027	12		Poem–MagnifyingGlass	CollectiveNouns Idioms Suffixes Writing–Dialogue Writing	Observation Activityusing magnifyingglass toexaminesmall objects
February 2027	18		Prose–Bibha Chowdhuri: The Beam of LightthatLitthePathfor WomeninIndian Science.	Suffixes Abbreviations ActiveandPassive Voice Writing–Report Writing(Magazine)	Groupdiscussion on'RoleofWomen inScienceand Scientific Discoveries Wallmagazine competitionon unsungfemale scientistsofIndia **PWT-4**
March-2027	12		RevisionforTerm–IIExam		

Note – Let us listen, let us speak, let us write, let us explore, let us learn, let us think and reflect, let us discuss etc. Activities to be conducted for focusing linguistic skills through activity based learning.

NAVODAYA VIDYALAYA SAMITI

CLASS: VIII SUBJECT: MATHEMATICS

SPLIT UP OF SYLLABUS FOR ACADEMIC YEAR:-2026-27

Chapter Number	Name of the Chapter	No of days	Marks
Term-I			
I-1	**A SQUARE AND A CUBE**	25	12
I-2	**Power play**		13
I-3	**A STORY OF NUMBERS**	27	11
I-4	**QUADRILATERALS**		11
I-5	**NUMBER PLAY**	24	10
I-6	**WE DISTRIBUTE, YET THINGS MULTIPLY**		11
I-7	**PROPORTIONAL REASONING-1**	12	12
	TOTAL	88	80
Term-II			
II-1	**FRACTIONS IN DISGUISE**		12
II-2	**THE BAUDHĀYANAPYTHAGORAS THEOREM**	30	12
II-3	**PROPORTIONAL REASONING–2**	20	10
II-4	**EXPLORING SOME GEOMETRIC THEMES**		11
II-5	**TALES BY DOTS AND LINES**	12	12
II-6	**ALGEBRA PLAY**	24	13
II-7	**AREA**		10
		80	80

Note- 1) The teachers can refer NCERT Activity/Lab manual for conducting activities.

2) Teachers may arrange special classes to Complete the syllabus as per given in Split up of Syllabus Schedule.

Month	No of Days	Name of the Chapter	Marks	Assessment/Activity /Project
APRIL/JUNE 2026	25	**GANIT PRAKASH – I** **Chapter 1 : A SQUARE AND A CUBE** **(1.1) Square Numbers :** Perfect square ;Patterns and Properties of Perfect Squares ;Perfect Squares and Odd Numbers ;Perfect Squares and Triangular Numbers **(1.2) Cubic Numbers:** Perfect cubes ; Taxicab Numbers ; Perfect Cubes and Consecutive Odd Numbers ; Cube Roots ; Successive Differences of perfect cube numbers **(1.3) A pinch of history of Perfect square and perfect cube numbers** # Chapter 2 : Power play (2.1) Experiencing the Power Play (2.2) Exponential Notation and Operations (2.3) The Other Side of Powers (2.4) Powers of 10 (2.5) Did You Ever Wonder? : Linear Growth vs. Exponential Growth - Getting a Sense for Large Numbers (2.5.1) A Pinch of History	12 13	**Visualizing Square Numbers (DotPattern):** Using a dot grid paper to draw squares of sides 1, 2, 3, etc., and observing that the total number of dots equals the square of the side (1^2 , 2^2 , 3^2 , ….) **Algebraic Identity Verification $(a^2-b^2)=(a+b)(a-b)$:** Using coloured papers to cut out squares and rectangles. **Historical Puzzles & Stories** The chapter integrates interesting puzzles like the "locker problem" and references the taxicab number (1729) to engage students in the history and curiosity of numbers **Pattern Observation Activity** Students are asked to find the squares of the first 30 natural numbers, fill out the table, then identify patterns—for example, the sum of consecutive odd numbers equals a perfect square. **PROJECT**: To study perfect squares with odd numbers by using coins of 1or 5 rupees **Magical Pond Exponential Growth Problem** A storytelling-based exponential activity **Exponential Form Practice** Students express the number of lotuses on full and half-covered days in exponential notation **Experiencing the power play** Paper folding activity Combined Growth Scenario PROJECT: Experiencing the tremendous of 10 through various real-life situations
		PWT-1 (27-29 April-2026/23-25 June 2026(for RO Hyderabad))		
JULY 2026		**Chapter 3 : A STORY OF NUMBERS:-** (3.1) Reema's Curiosity : The Mechanism of Counting (3.2) Some Early Number Systems (3.3) The Idea of a Base	11	**Stick Number System Experiment** **Students imagine** (or use actual sticks) a primitive number system, akin to tally marks. They perform addition, subtraction, multiplication, and division using only these stick representations— without

	27	(3.4) Place Value Representation **Chapter 4 : QUADRILATERALS** (4.1) Rectangles and Squares : A Carpenter's Problem ; The Process of Finding Properties ; A Special Rectangle ; Properties of a Square (4.2) Angles in a Quadrilateral (4.3) More Quadrilaterals with Parallel Opposite Sides (4.4) Quadrilaterals with Equal Side lengths (4.5) Playing with Quadrilaterals (4.6) Kite and Trapezium	11	referring to modern digits or number names place value system **PROJECT:** Place value representations, used in the Mesopotamian (Babylonian), Mayan, Chinese and Indian civilisations. **Constructing by Diagonals:** Draw a quadrilateral whose diagonals are equal in length (8 cm), bisect each other, and intersect at a given angle—options include 30°, 40°, 90°, 140° **Angle Identification:** via Folding or Reasoning Use a paper rectangle (or theoretically reason) to establish that a square's diagonals meet at right angles and bisect angles into equal parts.

AUGUST 20261	24	**Chapter 5 : NUMBER PLAY:** (5.1) Is This a Multiple Of ? : Sum of Consecutive Numbers (5.2) Checking Divisibility Quickly (5.3) Digits in Disguise	10	**Divisibility & Pattern Reasoning through MCQs** **Sum of Four Consecutive Numbers:** "The sum of four consecutive numbers is 34. What are these numbers?"
		PWT-2 (10-12 August 2026)		
		Chapter 6 : WE DISTRIBUTE, YET THINGS MULTIPLY (6.1) Some Properties of Multiplication (6.2) Special Cases of the Distributive Property (6.3) Mind the Mistake, Mend the Mistake (6.4) This Way or That Way, All Ways Lead to the Bay	11	**Multiplication Grid Exploration** Students observe a multiplication grid (like an array or table) and use it to illustrate distributive property **Expression Reasoning** *(implied through exercises)* Textbook problems like simplifying expressions (e.g., $(3-x)(3 - x)(3-x)$) invite students to notice how values distribute or factorize, leading to deeper algebraic understanding. Solving the puzzle Coin conjoin

SEPTEMBER 2026	12	**Chapter 7 : PROPORTIONAL REASONING-1** (7.1) Observing Similarity in Change (7.2) Ratios (7.3) Ratios in their Simplest Form (7.4) Problem Solving with Proportional Reasoning : Trairasika—The Rule of Three (7.5) Sharing, but Not Equally! (7.6) Unit Conversions	12	**Proportional Drawing:** Human Figure Ratios **School Mid-Day Meal Scaling** **Distance–Time Proportion:** Car Travel **Comparing Ratios**: Tea Packet Pricing Market-Based Proportionality Survey.
		TERM –I EXAMINATIONS (16SEP TO 29 SEP)		
OCTOBER TO NOVEMBER 2026	20 to 30 Days	**GANIT PRAKASH – II** **Chapter 1 : FRACTIONS IN DISGUISE** (1.1)Fractions as Percentages (1.2) Percentage of Some Quantity (1.3) Using Percentages	12	**Percentage Game:** Make a pair. Each of you choose a number. Suppose, the numbers chosen are a and b. Share your numbers with each other. Both of you should estimate the percentage equivalent to the fraction a/b(where $a < b$) and announce your answers by a fixed time, say, 5 seconds. The one whose estimate is the closest wins this round. Play this for 10 rounds. **Fraction Detective** : Identifying Hidden Fractions (Recognize fractions in disguised forms (ratios, decimals, percent, mixed numbers) within real- world text and objects.) **Have students create a "Fractions in Disguise":** poster with 8-10 examples and a short explanation for each representation. **Fraction Conversions Relay:** Recognize fractions in disguised forms (ratios, decimals, percent, mixed numbers) within real- world text and objects. **Fractions in Geometry** – Disguised in Shapes- See fractions in geometric contexts (part-to-whole within shapes, similarity, and area with fractional parts).
		Chapter 2 : THE BAUDHĀYANAPYTHAGORAS THEOREM (2.1) Doubling a Square (2.2) Halving a Square	12	**Baudhāyana *Śulba- Sūtra -**Verify the sulba sutra "The diagonal of a square produces a square of double the area of the original square." Through paper cutting pasting method. **Verify the halving square area** relationship i,e 'make a square whose area is half the area of the first square ' by paper folding, cutting and pasting method.

		(2.3) Hypotenuse of an Isosceles Right Triangle (2.4) Combining Two Different Squares (2.5) Right–Triangles Having Integer Side lengths (2.6) A Long-Standing Open Problem (2.7) Further Applications of the Baudhāyana Pythagoras Theorem	

		PERIODIC WRITTEN TEST-III(3 TO 5 DECEMBER 2026)	

DECEMBER 2026	20	**Chapter 3 : PROPORTIONAL REASONING–2** (3.1) Proportionality—A Quick Recap (3.2) Ratios in Maps (3.3) Ratios with More than 2 Terms (3.4) Dividing a Whole in a Given Ratio (3.5) A Slice of the Pie (3.6) Inverse Proportions	10	**Map My World** – Proportions on a Grid- Apply proportional reasoning to distances on a map or grid by using blank grid maps, rulers, colored pencils. **Direct and Inverse Variation** – Real-Life Scenarios through scenario cards ,graphs (paper or digital) graphing tools etc. **Proportions in Geometry** – Similar Figures-Use proportional reasoning to solve problems with similar figures, with geometric shapes (paper or cutouts), scissors, rulers. for example, given two similar triangles, compute corresponding side lengths, perimeters, and areas when one dimension is scaled. **Sierpinski Carpet-** Draw a Sierpinski Carpet by using the concept Sierpinski fractal of using square. **Sierpinski Gasket-** Draw a Sierpinski Carpet by using the concept Sierpinski fractal of equilateral triangle.
		Chapter 4 : EXPLORING SOME GEOMETRIC THEMES (4.1) Fractals (4.2) Visualizing Solids : Making Solids ; Shortest Paths on a Cube ; Representation of Solids on a Plane Surface ; Shadows ; Isometric Projections ; Drawing on Isometric Grids	11	**Making Solids** - Prepare basic solid shapes such as a cuboid, parallelopiped, cylinder, cone, prism, and pyramid can be made using foldable flat materials like paper, cardboard, and even metallic sheets.
JANUARY 2027	15	**Chapter 5 : TALES BY DOTS AND LINES** (5.1) The Balancing Act : Unchanging Mean! ; Relatively Unchanged!;		**Fair Share Distribution:** Use a set of physical objects (like beads or coins) to demonstrate the "fair share" interpretation of the mean. **Dot Plot**

		Tinkering with Median ; Finding the Unknown ; Mean and Median with Frequencies (5.2) Visualising and Interpreting Data : Line graphs ; Infographics	**Master:** Collect data on the number of siblings or pets from classmates and create a dot plot on a large chart. Identify the **Mean** and **Median** visually. **Digital Data Handling:** Use a spreadsheet (like Excel or Google Sheets) to input a dataset and use the AVERAGE function to calculate the mean, comparing it with your manual calculations. **The "Weighty" Challenge:** Record the weights of 10 items (or pretend players). Calculate the average weight and then determine what happens to that average if one item is replaced with a heavier one. **Growth Line Graph:** Record the height of a plant (or☐your own height over several months) and connect the dots to form a line graph to identify periods of fastest growth. **Project : The Data Shift:** Investigating how the mean and median change when every value in a dataset is increased, decreased, or multiplied.

FEBRUARY 2027		PERIODIC WRITTEN TEST-IV(4 TO 6 FEBRUARY 2027)	
		Chapter 6 : ALGEBRA PLAY (6.1) Algebra Play (6.2) Thinking about 'Think of a Number' Tricks	**Geometric Proof of Identities:** Use coloured chart paper to cut out squares of side a and b and rectangles of sides a x b. Arrange them to physically form a large
	25	(6.3) Number Pyramids (6.4) Fun with Grids (6.5) The Largest Product (6.6) Decoding Divisibility Tricks **Chapter 7 : AREA** (7.1) Rectangle and Squares : Area of rectangle and square ; Area of a triangle ; Some Applications of the Area Formula ; Area of any Polygon ;Area of a Parallelogram ; Area of Rhombus ; Area of Trapezium ; Finding the Area Using Two Copies of the Trapezium ; Areas in Real Life	square of side (a+b) to visualise $(a+b)^2 = a^2 +b^2 +2ab$. **Matchstick Patterns:** Create a series of shapes (like triangles or squares) using matchsticks. Record the number of sticks used for 1, 2, and 3 shapes, then derive a linear expression (e.g., 2n+1) to predict the sticks needed for the 100th shape. **Algebraic Card Game:** Create a deck of cards where some cards have expressions (e.g., 3x+2x) and others have simplified versions (5x) . Play a "Memory" or "Match" game to practice combining like terms. **Decomposition Challenge:** Take an irregular cardboard quadrilateral and "cut" it into two triangles by drawing a diagonal. Measure the base and heights (offsets) to calculate the area using the formula: Area = ½ x d x (h_1 +h_2).

			Deriving the Trapezium Formula: Cut two identical trapeziums from paper. Rotate one and join it to the other to form a large parallelogram. Use this to explain why the area is ½ x (sum of parallel sides) x height.
			Tangram Area: Use a 7-piece Tangram set. If the area of the smallest triangle is 'x', find the algebraic area of all other pieces and the total square.
			Project 1 : Area in Real life: Measuring and calculating the area of irregular shapes found in nature (like leaves) using grid paper.
			Project 2 : Circle vs. Square: An investigation into which shape provides the maximum area for a fixed perimeter (the Isoperimetric problem).
MARCH 2027	**REVISION & TERM END EXAMS**		

NAVODAYA VIDYALAYA SAMITI

Split-Up of Syllabus Session 2026-2027
CLASS: VIII   SUBJECT: SCIENCE

Chapter no.	Chapter	Period
Chapter 1	Exploring the Investigative World of Science (General science)	8
Chapter 2	The Invisible Living World: Beyond Our Naked Eye (Biology)	14
Chapter 3	Health: The Ultimate Treasure (Biology)	13
Chapter 4	Electricity: Magnetic and Heating Effects (Physics)	13
Chapter 5	Exploring Forces (Physics)	12
Chapter 6	Pressure, Winds, Storms and Cyclones (Physics)	12
Chapter 7	Particulate Nature of Matter (Chemistry)	12
Chapter 8	Nature of Matter: Elements, Compounds and Mixtures (Chemistry)	10
Chapter 9	The Amazing World of Solutes, Solvents and Solutions (Chemistry)	12
Chapter 10	Light: Mirrors and Lenses (Physics)	8
Chapter 11	Keeping Time with the Skies (Physics)	9
Chapter 12	How Nature Works in Harmony (Biology)	15
Chapter 13	Our Home — Earth, a Unique Life-Sustaining Planet (Earth and Environmental Science)	22
	TOTAL	**80**
	INTERNAL ASSESMENT	**20**
	GRAND TOTAL	**100**

Perspective Academic Planning (PAP) Split-Up of Syllabus Session 2026-27

Month	No. of Days	Unit number, Main Topics & Subtopics to be covered	Sample Subject Enrichment Activities/Practical Activities	Sample Projects
April-2026	22	Ch. 1- Exploring the Investigative World of Science (General science) Scientific inquiry, systematic investigation, variables and controls, observation and recording, symbolism of root and kites.	1. Why a puri puffs up when fried. 2. Testing different conditions such as using fresh versus stored dough or pricking a hole in the dough before frying to see how it affects the result.	
April-2026		Ch. 2- The Invisible Living World: Beyond Our Naked Eye (Biology) Organisms, cell, different parts of cell, plant cell and animal cell, variation in shape and structure of cell, the level of organization in the body of a living organism, microorganism connected to microbe's cell considered to be a basic unit of life	2.1. To observe a round-bottomed flask as a magnifying lens. 2.2. To study a plant cell by preparing a temporary slide of onion peel. 2.3. To investigate an animal cell by preparing a temporary slide of cheek cells. 2.4. To observe pond water (stagnant water) under a microscope and identify microorganisms present in it. 2.5. To observe soil suspension by examining a drop of soil water and studying sediment under a microscope. 2.6. To represent the observed microorganisms in tabular form based on their characteristics. 2.7. To prepare compost using biodegradable waste materials. 2.8. To perform an experiment to study the action of yeast on dough. 2.9. To test curd formation using milk under different conditions.	India has a long history of biogas production. One of the oldest biogas plants was set up in the late 1850s. Find out about the Biogas Program started by the Ministry of New and Renewable Energy, Government of India. Fermented foods like fermented soybeans and fermented bamboo shoots are traditional in some parts of India. With the help of parents and teachers, list traditional fermented foods from your area. Study the different parts of a mushroom (macro fungus) using a magnifying glass and microscope/foldscope

Periodic Written Test – 1 (27- 29 April 2026)				
July-2026	27	Ch.- 3. Health: The Ultimate Treasure (Biology) Definition of health, factors affecting healthy lifestyle and environment, diseases and their types, spread and prevention of diseases.	3.1: To think and reflect 3.2: To listing of some good habits. 3.3: To compare: comparison of rural and urban playground. 3.4: To find out: communicable diseases affecting human beings. 3.5: To survey: lifestyle related diseases. 3.6: To read: community led sanitation campaign. 3.7: To infer how bacteria become resistant to antibiotics.	Students maintain a health diary for at least a month to track food, hygiene, exercise, sleep, screen time, and emotional state. Read about Indian scientists like Suniti Solomon, Asima Chatterjee, Dr. Yellapragada Subbarao, Dr. Mary Poonen Lukose for their contributions in the field of health and diseases.
July-2026		Ch.- 4 Electricity: Magnetic and Heating Effects (Physics) Magnetic effect of electric current, electromagnets, current carrying wire get hot, battery, types of electric cell.	4.1: To investigate: current carrying wire behaves like a magnet. 4.2: To explore: electromagnet. 4.3: To experiment: electromagnet has two poles. 4.4: To investigate: electromagnet poles repulsion and attraction. 4.5: To observe: heating effect of electric current. 4.6: To construct: constructing voltaic cell by using five lemons.	Try to make an electric cell using various fruits and vegetables. Also try with electrodes of different metals. Prepare a brief report.
PWT-2 (10-12 August 2026)				
August-2026	21	Ch.- 5 Exploring Forces Definition and nature of force, effect of force on objects, interaction-based nature, types of forces, contact and non-contact force and its type, weight and its measurement, floating and sinking.	5.1: To explore: moving a box in different ways, pushing and pulling. 5.2: To analyse: analysing different situations as pull or push and its effects. 5.3: To investigate: observation of friction. 5.4: To explore: factors affecting friction.	Collect objects made of different materials like plastic, wool, silk, rubber, polythene, paper, and metals. Rub them with each other and check whether they attract small paper pieces (get electrically charged). Record your observations properly

			5.5: To test: magnetic force attraction or repulsion.	and write a short research report.
			5.6: To experiment: electrostatic force using a plastic comb and small pieces of paper for attraction.	Imagine a situation where gravity disappears. Write a creative story and present it in the form of a cartoon strip.
			5.7: To experiment: balloons attraction or repulsion – electrostatic forces.	
			5.8: To observe: gravitational force.	With the help of your teacher, make a simple electroscope to detect electric charge, test it, and find out other possible uses of the device.
			5.9: To explore: using a spring to measure the weight of an object.	
			5.10: To observe: observation of spring balance.	
			5.11: To calculate: measuring least count of spring balance.	
			5.12: To measure: measuring weight by using spring balance.	
			5.13: To investigate: upward thrust or buoyancy using plastic water bottle.	
August -2026		Ch.- 6 Pressure, Winds, Storms and Cyclones (Physics) Definition of pressure formula and its unit, pressure exerted by air, formation of wind, high-speed wind, result in lowering of air pressure, storms, thunderstorm and lighting, cyclone.	6.1: To try and find out: liquid pressure depends on height of the liquid column. 6.2: To find out: liquids exert pressure on the walls of the container. 6.3: To explore: demonstration of atmospheric pressure using empty paper plate. 6.4: To perform: demonstration of atmospheric pressure using sucker. 6.5: To observe: air moves from high pressure regions to low pressure regions.	Hold an 18 cm × 2 cm paper strip between your fingers so it hangs freely. Predict what will happen when you blow over it, perform the activity, record your observations, and interpret the result. List three major cyclones that occurred in India in the last 20 years. For each cyclone, mention two major damages caused and

			6.6: To observe: high speed winds are accompanied by reduced air pressure.	the measures taken by the government and communities to reduce loss of life and property. Also, suggest two measures you would propose to the local government.
September-2026	12	Continuation of ch-6 and revision for term exam Term 1 (16 September -29 September 2026)		
October-2026	20	Ch.- 7 Particulate Nature of Matter (Chemistry) Matter, different states of matter, the inter-particle space differ in three states of matter, particles move in different states of matter.	7.1: To explore: observation of chalk piece under magnifier. 7.2: To perform: dissolving sugar in water to prove inter particle spaces. 7.3: To find out: observation of solid particles nature. 7.4: To try and find out: liquids have definite volume irrespective of container. 7.5: To investigate: collecting and spreading smoke in two gas collecting jars. 7.6: To experiment: syringe piston in different positions to demonstrate gas particles have more space between them. 7.7: To observe: dissolving sugar and predicting its increasing water level in the measuring jar. 7.8: To experiment: potassium permanganate dissolving in water. 7.9: To find out: burning of incense stick and diffusion.	Fix a balloon on a bottle's neck and place the bottle in hot water. Observe and explain what happens. Make simple models to show particle arrangement in solids, liquids, and gases using clay or beads. Role-play as particles of solids, liquids, and gases at different temperatures to show their movement. Debate in class: "Gases spread and fill all available space" – discuss whether this property is beneficial or harmful.
October-2026		Ch.- 8 Nature of Matter: Elements, Compounds and Mixtures (Chemistry)	8.1: To experiment: carbon dioxide turns lime water into milky white.	Create comic strips using real-life examples to show the difference between elements,

		Mixture, type of mixture, pure substance, type of pure substance, use of element, compound and mixture, minerals.	8.2: To explore: dust particles are present in air. 8.3: To experiment: electrolysis of water by using HW battery. 8.4: To experiment: charring of sugar in a test tube. 8.5: To experiment: heating sulphur and iron filings on watch glass and testing its nature.	compounds, and mixtures, with diagrams, properties, and uses. Research the discoveries of elements like Phosphorus and Sodium, a compound like Penicillin, and mixtures such as Brass, Bronze, and Stainless steel, and present your findings in class.
November-2026	20	Ch.- 9 The Amazing World of Solutes, Solvents and Solutions (Chemistry) Definition of components: solute, solvent, and solution, types of solutions, saturation and solubility, solubility of different matters, object, float/sink in water, density, determination of density, layer of earth, effect of temperature on density, effect of pressure on density.	9.1: To investigate: dissolution of salt in water spoon after spoon. 9.2: To experiment: to prove that more amount of substance is dissolved with increase in temperature. 9.3: To measure: weighing of solid on a digital balance. 9.4: To observe and calculate: measuring volume of water using measuring jar. 9.5: To measure 50 ml of water: measuring 50 ml of water using measuring jar. 9.6: To calculate: calculating volume of water using l b h formula. 9.7: To measure: measuring the volume of irregular objects like stone.	Research project on Dead Sea: Why is there no aquatic life in the Dead Sea? Try to find out if there are any other similar water bodies. Debate in class-Is water truly the most versatile solvent?
		PWT-3 (03-05 December 2026)		
December-2026	15	Ch.- 10 Light: Mirrors and Lenses (Physics)	10.1: To explore: image formed by a shining metallic spoon.	Visit a nearby hospital or the clinic of an ENT specialist,

		Spherical mirrors, types of spherical mirrors, characteristics of images formed by spherical mirrors, and laws of reflection, lens, type of lenses.	10.2: To distinguish: identifying convex and concave mirror from side view. 10.3: To explore: image formed by a convex and concave mirror at different distances. 10.4: To experiment: to prove that angle of incidence is equal to angle of reflection. 10.5: To experiment: incident ray and reflected ray lie in the same plane. 10.6: To explore: converging and diverging ray's observation using lens and beam of parallel rays. 10.7: To explore: converging sunlight on paper using a concave mirror. 10.8: To explore: viewing of words under water drop and magnifying lens. 10.9: To experiment: observation of size of image formed by convex and concave lens at different distances. 10.10: To investigate: converging and diverging lens. 10.11: To investigate: converging sunlight on paper by using convex lens.	or a dentist, with your teacher or parents. Request the doctor to show you the mirrors used for examining ear, nose, throat, and teeth. Identify the kind of mirror used in these instruments
Decem ber-2026		Ch.- 11 Keeping Time with the Skies (Physics) moon's appearance, calendars come into existence, different type of calendar, festivals related to astronomical	11.1: To explore: shading different portions of moon on different nights. 11.2: To explore: using ball and stick to observe phases of moon.	Find which dates in the Indian National Calendar may differ from the Gregorian calendar in certain years. List the names of New Year festivals

		phenomena, launch artificial satellites in space.	11.3: To measure a day: observing the length of the shadow at different times during the day. 11.4: To identify: spotting an artificial satellite.	celebrated in any 10 states of India. Plan a clean-up drive at school or a nearby park, collect litter using gloves and bags, discuss the types of waste found, identify the most common waste, and suggest ways to reduce it.
Januar y-2027	14/24	Ch.- 12 How Nature Works in Harmony (Biology) Experience and interpret our surrounding and different component of habitat, live together in nature, different type of interaction among organism and their surroundings, who eats whom, waste in nature, one change lead to another, interaction maintain balance in ecosystems, benefit of ecosystem.	12.1: To explore: listing living and non-living objects in different habitats. 12.2: To record: counting of particular organisms at a given space and time. 12.3: To read: how fish in ponds affect seed production in the plants. 12.4: To relate and identify: interaction of biotic and abiotic components in a habitat. 12.5: To classify: classifying organisms based on eating habits. 12.6: To link: food chain in grassland. 12.7: To draw: food chain of millet, mouse and eagle in a crop field drawing. 12.8: To trace and link: drawing of food web. 12.9: To read: ecological balance damage.	Plan a clean-up drive at school or a nearby park, collect litter using gloves and bags, discuss the types of waste found, identify the most common waste, and suggest ways to reduce it. Learn about the special bond between the Nyishi and Mishmi tribes with the tiger, and the Baiga tribe's worship of Bagheshwar (Tiger). Find another Indian tribe that shares a special bond with any animal. Observe a tree near your home or school weekly for 4 weeks, record changes (leaves, flowers, fruits, birds, insects), and optionally upload

			12.10: To survey: using of artificial and natural pesticides.	findings to Season Watch.
		PWT-4 (04-06 Feb 2027)		
February-2027	24	Ch.- 13 Our Home — Earth, a Unique Life-Sustaining Planet (Earth and Environmental Science) Earth is a unique planet, planet of our solar system, greenhouse effect, the Earth is suitable for life to exist, the Earth allows life to be sustained, factors keep life from disappearing. **And revision for Term 2.**	13.1: To find out: tabulating the interesting features about earth. 13.2: To find out: collecting information of temperature and size of different planets. 13.3: To find out: vegetative propagation of ginger and potato.	Design an "Earth Survival Kit" by listing what a model Earth must have to support life and explain why. India is planning the Chandrayaan-4 mission to bring Moon soil samples. If the Moon had water, could plants grow there? Suggest an experiment to test plant growth in lunar soil.
March-2027		Revision for early examination practice test for complete syllabus to be conducted at the Vidyalaya level.		
		TERM-II Examination TERM END 15-27 MARCH 2027		

Note:
1) Activities should be performed when the lesson is being taught and should be integrated with the chapter as per the new pedagogical approach and NEP

NAVODAYA VIDYALAYA SAMITI

Split-Up of Syllabus Session 2026-2027

CLASS: VIII   SUBJECT: SOCIAL SCIENCE

Exploring Society: India and Beyond- Part-1   SESSION 2026-27.

Chapter No.	Title of the Chapter	Weightage & Examination.
01	Natural Resources and Their Use (Geography)	16% Term-1
02	Reshaping India's Political Map (Half Chapter) (History)	16% Term-1
03	The Rise of the Marathas (History)	13% Term-2
04	The Colonial Era in India (History)	13% Term-2
05	Universal Franchise and India's Electoral System (Civics)	16% Term-1
06	The Parliamentary System: Legislature and Executive (Civics)	13% Term-2
07	Factors of Production (Economics)	13% Term-2

Total Term-1 + Term-2   100%

Month	No of Days	Chapter Name	Activities/Projects/ Practical Experiments To Be Held/Specific Assessment Tool (Suggested)
APRIL-2026	22	Ch-1. Natural Resources and Their Use (Geography)	Activity:- 1. Identify cultural practices in your home and neighbourhood that point to mindfulness in the use of natural resources. (Page No 19) 2. In many indigenous traditions of the world, Nature is considered sacred. You have read about this. In such traditions, Nature is a nurturer and nourisher. (Tulasi puja for wellbeing) give some other examples. (Page no-3) 3. Crop failure on account of injudicious use of chemical fertilisers and pesticides. (Debate) 4. What are the non-renewable resources that you use daily, directly or indirectly? What are the possible renewable substitutes? What are some of the steps we can take to transition to renewables? (Discussion) 5. Map Work:- Distribution of important minerals (Page no-9) 6. Do you know of some traditional practices that help the ecosystem to stay in balance? (Assignment)

			Topics for Assignments, Projects, Role Play, Map Skills, Debate, Case Study and Quiz Competition. :-When does Nature become a Resource? :-Categories of Natural Resources :- Distribution of Natural Resources and its Implications :-The 'Natural Resource Curse' :- Responsible and Wise Use of Natural Resources: Stewardship :-Overexploitation of groundwater: a case let from Punjab (Role Play) :- The case of cement :- A case let from Sikkim (Role Play) :- Responsible and judicious use of resources 2 Periods for Map Work 1 Period for Quiz
		Ch-2. Reshaping India's Political Map (Half Chapter) (History)	Activities:- 1. Imagine you are a trader in a port city (Surat, Calicut or Hooghly). Describe the scenes you see as regards goods, people you trade with, movement of ships, etc.(Role Play) Page no - 59 2. Many values promoted by early Sikhism, including equality, seva, and justice, remain relevant today. Select one of these values and discuss how it remains relevant in contemporary society. (Discussion) page no 59 3. Imagine you are a scholar in the court of Akbar or Krishnadevaraya. Write a letter to a friend describing the politics, trade, culture, and society you are witnessing.(Storytelling) Page no 59 4. Temples as centres of economic activity (Assignment) page no 57 5. Map Skill:- The Mughals and the rise of regional powers at different periods (page no 39) Topics for Assignments, Projects, Role Play,Map Skills, Debate, Case Study and Quiz Competition. :- Rise and Fall of the Delhi Sultanate :- Resistance to the Delhi Sultanate :- The Vijayanagara Empire :- The Mughals Period :- Resistance to the Mughals :- Surge of the Rajputs 02 Periods for Map Skills 02 Periods for Assignment works 02 Periods for Revision work of Examination

| JULY-2026 | 27 | Ch-2. Reshaping India's Political Map (Half Chapter) (History) | **Activities:-**
1. Map work and Quiz :- Kingdoms in the Deccan and the Vijayanagara Empire (page no 33)
2. Map work:- A comparison of the territories under the Tughlaqs and the Lodis (13th to 15th centuries), and regional powers in the south and east. (page no 24)
3. Chart making:- Timeline chart (page no 22)
Topics for Assignments, Projects, Role Play, Debate, Map Skills , Case Study and Quiz Competition.
:-The Ahoms
:- The Rise of the Sikhs
:- Administering India-- Administration under the Delhi Sultanate, The Mughal administrative framework.
:- Temples as centres of economic activity. |
| | | Ch-5. Universal Franchise and India's Electoral System (Civics) | **Activities:-**
1. Visit the website https://www.indiavotes.com, and choose a parliamentary constituency election from any year and explore its results. Do the same for an assembly election in your state. (Assignment)page-138
2. Who are the MP and MLA / MLAs of the constituency you are located in? (A Lok Sabha constituency may have two or more assembly constituencies.) Which party does each of them belong to? What are the concerns of the MP and MLA, respectively? (Quiz)
3. Chart Making:- Model Code of Conduct (MCC) (page no 130)
4. Model Making:- India's electronic voting machines (EVMs) and Voter Verifiable Paper Audit Trail (VVPAT). Page no 130
5. Role Play:- Process of voting for the Lok Sabha and State assemblies.(page no 129)
6. Quiz:- Process of voting for the Lok Sabha and State assemblies and MCC.
Topics for Assignments, Projects, Role Play, Debate, Map Skills , Case Study and Quiz Competition.
:-Meaning of Universal Adult Franchise
:- Bridging Barriers, Enabling Participation: Ensuring Universal Franchise
:- Election for class representative — Grade 8, Suryodaya School
:- The Role of the Election Commission of India (ECI)
02 Periods for Map Skills
03 Periods for Assignment works
02 Periods for Quiz Competition. |

AUGUST-2026	**21**	Ch-5. Universal Franchise and India's Electoral System (Civics)	Activities:- 1. Chart making :- Managing the electoral process (page no 128) 2. Quiz on Structure of the Election Commission of India (page no) 3. Role Play:-Election for class representative — Grade 8, Your JNV (page no 123) Topics for Assignments, Projects, Role Play, Debate, Map Skills , Case Study and Quiz Competition. :- Election Commission of India — A brief introduction :- Managing the electoral process :- Model Code of Conduct (MCC) :- Understanding Elections in India — A Very Brief Overview Election to the Lok Sabha , Rajya Sabha and State Legislative Assemblies :- Election of the President and Vice President of India of India :- Challenges and The Road Ahead 03 Periods for Map Skills 03 Periods for Assignment works 02 Periods for Quiz Competition.
SEPTEMBER-2026			
October-2026	**15**	Ch-4. The Colonial Era in India (History)	Activities:- 1. Role Play:- Imagine you are a reporter in 1857. Write a brief news report on Rani Lakshmibai's resistance at Jhansi. Include a timeline or storyboard showing how the rebellion began, spread, and ended, highlighting key events and leaders.(page no 115) 2. Storytelling:- Imagine an alternate history where India was never colonised by European powers. Write a short story of about 300 words exploring how India might have developed on its own path.(page no 115) 3. Storytelling:- Choose one area of your Distt life, such as agriculture, education, trade, or village life. How was it affected by colonial rule? Can you find any signs of those changes still with us today? Express your ideas through a short essay, a poem, a drawing, or a painting. 4. Role Play :- 1857 Revolt Leaders. (page no 109-110) Topics for Assignments, Projects, Role Play, Debate, Map Skills , Case Study and Quiz Competition. :- The Age of Colonialism :- Europeans in India :- The Portuguese: commerce and atrocities :- The Dutch: commerce and competition :- The French: colonial ambitions

			:- Enter the British:- From traders to rulers :- The strategy of 'divide and rule':- (Doctrine of Lapse, 'subsidiary alliance') :- From Paradise to Hell? :-Devastating famines. :- The drain of India's wealth :- Decline of India's indigenous industries :- Transforming Indian education: creating 'brown Englishmen' :- Reshaping economic structures to serve imperial needs :- Early Resistance Movements: Challenging Colonial Authority :- The 'Sannyasi-Fakir rebellion', Tribal uprisings. 02 Periods for Map Skills 03 Periods for Assignment works 02 Periods for Quiz Competition
November 2026 **Autumn Break** **05-14 November 2026**	12	Ch-4. The Colonial Era in India (History)	Activities:- 1:- Map Skill:- Important Places of 1857 Revolt. 2.Time line Chart of The Colonial Era in India. (page no-84-85) Topics for Assignments, Projects, Role Play, Debate, Map Skills , Case Study and Quiz Competition. :- Peasant uprisings against economic exploitation (The Indigo Revolt (1859–1862) :- The Great Rebellion of 1857 :- The Legacy of European Colonialism in India :-Case study about Two heroines:- Rani Lakshmibai of Jhansi and Begum Hazrat Mahal of Awadh.(page no 111) 02 Periods for Map Skills 02 Periods for Assignment works 02 Periods for Quiz Competition
December-2026 **Winter Break** **26-12-2026** **To** **14-01-2027**	23	Ch-6. The Parliamentary System: Legislature and Executive (Civics)	Activities:- 1. Chart Making :- Features of Indian Constitution. 2. Role Play:- From bill to act – the process of law making in the Parliament (page no-147) 3. Draw a small chart to show the process of how RTE became an act. What do you think the process would be if RTE had been tabled in the Lok Sabha? (page no- 148) 4. Discussion:- What might happen if one of the organs — Legislature, Executive, Judiciary — had all the power? How could it affect the rights of people? Discuss with your classmates how each organ checks the others. For example, how does the Legislature question the actions of the Executive? How does the Judiciary make sure that laws and government actions respect the Constitution? Do you think there might be ways in which the actions of the Judiciary itself are reviewed? (page no-154)

			5. Project:- Take up a small group project. Compile data regarding the functioning of the legislature in your state or union territory (page no-159) 6. Seek an appointment with an MLA and gather information about challenges with respect to the state legislature. Topics for Assignments, Projects, Role Play, Debate, Map Skills , Case Study and Quiz Competition. :- India's parliamentary system, and its structured. :- Composition of the Parliament of India :- Function:- The President, ʃ The Vice President, and ʃ The Council of Ministers headed by the Prime Minister. :- Legislative Functions of the Parliament :-Constitutional function:- Lawmaking, From bill to act – the process of lawmaking in the Parliament, Executive accountability, Financial accountability. :-Executive Functions of Parliament- The President-The Prime Minister and the Council of Ministers-Differences Between the Legislature and the Executive. :-The Judiciary — Role of Checks and Balances :- Legislative and Executive Functions at the State Level :- Structure of State Legislatures :- Challenges to the Effective Functioning of the Legislatures. 02 Periods for Map Skills 02 Periods for Assignment works 01 Periods for Quiz Competition
JANUARY-2027 **Winter Break** **26-12-2026** **To** **14-01-2027**	**19**	3. The Rise of the Marathas (History)	Activities:- 1. Time line Chart:- The Marathas (page no 62-63) 2. Poem and Song :- Have you ever heard the term 'bhakti'? What does it mean to you? Choose a bhakti saint from any part of India and learn about their life, their teachings, and the message they shared. You can also find one of their poems or bhajans and share it with your classmates.(page no-63) 3. Map Skill:-Shivaji's Kingdom about 1680 (page no-68) 4. Map Work:-The extent of the Maratha empire in 1759.(page no-71) 5. Make a Chart:- Aṣṭa pradhāna maṇḍala, or council of eight ministers (page no 73) 6. Role Play on mighty Maratha Women. (page no-78) 7. Art Integrated Competition:- You have been appointed as the chief designer for Maratha coins. Design a coin that represents Maratha achievements and values. Explain the symbols you chose. (page 82) :- Who are the Marathas?

			:- Foundation of Maratha Power and the Rise of Shivaji
			:- The Marathas after Shivaji
			:- Maratha Administration :-Civilian administration, Military administration, Maritime supremacy.
			:- Judicial system
			:- Trade networks
			:- Cultural Revival
			:- The mighty Maratha women.
			:- In focus: Thanjavur
			:- The Maratha legacy
			02 Periods for Map Skills
			02 Periods for Assignment works
			01 Periods for Quiz Competition
FEBRUARY-2027	**18**	7. Factors of Production (Economics)	Activities:-

Activities under Factors of Production:

1. Group Activity:-In small groups, study the economic activities around your locality. What are the different types of goods and services being made or provided? (page no-165)
2. Let's do a small experiment. Make a list of 10 working adults in your school. Ask them to describe the culture at their workplace. Share notes with your classmates. What did you discover? What are some adjectives that occur more frequently?(page no-169)
3. Carrier counselling :- Are some jobs more important than others? What would happen if nobody cleaned the streets, collected the trash, farmers stopped cultivating the crops, doctors were not available to treat patients, and so on? (page no-170)
4. IKS:- Today, there is a vast variety of jobs requiring different kinds of skills. However, India has had a rich legacy of skill-based knowledge systems and workmanship, Stitched shipbuilding. (page 170-171)
5. Discussion:- Why do you think the use of indigenous techniques has declined? Discuss in the class. (page no-172)
6. Outdoor bag less day Activity:- Identify and visit a factory in your neighbourhood . Find out how much capital may have been invested in the construction of the factory (you may provide an estimate). What kinds of equipment does the factory use to create its finished products? (page no- 173)
7. Quiz :- Indian Knowledge System (page no-171)
8. Case Study:- The man who dreamed big for India.J.R.D. Tata — entrepreneur, industrialist and philanthropist.

			Topics for Assignments, Projects, Role Play, Debate, Map Skills , Case Study and Quiz Competition.
			:-Introduction - factors of production.
			:-Land (natural resources), Labour (human resources), People as a resource .
			:- Facilitators of human capital- Education and training, Healthcare.
			:-Social and cultural influences.
			:-Challenges to human capital
			:- India's ancient skill heritage-- Stitched shipbuilding
			:- Capital, Entrepreneurship.
			:- Case Study:- The man who dreamed big for India J.R.D. Tata — entrepreneur, industrialist and philanthropist.
			:- Technology: An Enabler of Production.
			:- Responsibilities towards Factors of Production:- Fair compensation and working conditions, Skill development and training, Workplace rights and protections.
			02 Periods for Map Skills
			02 Periods for Assignment works
			02 Periods for Quiz Competition

PWT-4 EXAMINATION   4-5-6 FEBRUARY-2027

Target date for completion of Syllabus for Term-End Examination by :- 28th February 2027.

MARCH-2027		REVISION FOR TERM-END EXAMINATION.	TOOLS FOR REVISIONS
			➢ Answer to be written in points only.
			➢ Language of the answers should be Simple.
			➢ Emphasize on writing practice.
			➢ Presentation of assignment in Classrooms.
			➢ Encourage oral Revision.
			➢ Conduct slip test for 2/3 questions on alternate days/ at list twice in a week.
			➢ Put stress to complete the answers in the given time only
			➢ Continuous practice helps the students to accelerate the writing speed.
			➢ Develop suitable questions relating to tables, data, pictures, maps etc.
			➢ Prepare model & charts and display them in the classroom
			➢ More and more Map Practice.
			➢ Speak in the simple language during class room teaching process.
			➢ Bi-lingual teaching(If possible teacher may speak in the local language for few days)
			➢ Encourage the students to speak in the language, with which they are comfortable.
			➢ As for as possible, give example from newspapers to supplement your teaching.
			➢ Encourage children to refer to magazines, newspapers, for writing assignment.
			➢ Counselling and deep interaction with parents.

TERM-End EXAMINATION- CHAPTER NO 3-4-6-7

TERM END EXAMINATION :- 15 TO 27 March 2027.

Note:- So far, only Part-1 Social Science text book has been released by ncert for class 8th . The Split-up will be revised when the second text book arrives.

NAVODAYA VIDYALAYA SAMITI

Class: VIII　　　　　　　　　　　　　**Subject: COMPUTER**

Unit no.	Name of the Chapter/Unit	Marks
1	Introduction to Excel -2	20
2	Introduction to HTML	20
3	Introduction to Problem Solving and Programming	10
4	Practical	50
	Total	100

Month	No. of Days	Weightage Marks for Unit	Main Topic and Sub-Topics to be covered	Details of Activity/Practical/Projects
April-26 /June-26	22		**INTRODUCTION TO EXCEL-2 WORKING WITH SHEETS** • Creating / deleting sheets. • Renaming sheets. • Copying / moving sheets • Inserting new row and column. • Deleting/hiding the rows and Columns	Laboratory Practice to be done on all the concepts Creating, Deleting, Renaming, Copying, Moving Sheets and Row Insertion /Deletion, Column, Practical Test can be conducted.
			PWT-I: 27-29 April 2026 **[For all RO except RO, Hyd.]** **23-25 June 2026 [For RO Hyd.]**	
July-2026			**WORKING WITH SHEETS** a) Changing the width and height of the column and row b) Finding and select the data in a given range. VIEW MENU • Gridlines. • Freeze Panes • View Side by Side • Synchronous Scrolling. 　• Mergining the Cells. 　• Split the Cells. **Working with Charts** 　• Create a chart 　• Edit a chart 　• Print a chart Create a chart for a maths equation	Laboratory: Insertion/deletion, changing width and height and rows and columns, practice to be done. on all the cocepts (Showing grid lines, freezing panes, side by side view, merge cells, split cells, synchronous scrooling) Practical test can be conducted. Practice to be done on all the concepts (Chart creation, editing, printing , maths equation)
			PWT-II [10-12 August-2026]	

Aug-26	21	14	Introduction to HTML • Head • Title • Body • Empty • Container tags • Heading H1-H6 • Comments	Practical to be done to create web page using HTML using all kind of concepts
Sept-26	12		HTML • Background color • Font, Bold, Italic • Text alignment • Paragraph	

Syllabus Completion for Term I: 10 September 2026

TERM I: 16-29 September 2026

Oct-26/ Nov-26	20	06	LIST • Ordered List • Unordered List • Definition list • Background image • Inserting image • Hyperlink	Practical to be done to create web page using HTML using all kind of concepts
Dec-26	15	07	Introduction to Problem solving and programming • Steps for problem solving • Introduction of Algorithm	Draw a flow chart of steps involved in a program for solving simple computational problems.

PWT-III: 3-5 December 2026

Jan-27	24		03	Introduction to Problem solving and programming • Psedudo Coding • Program • Compiler & Interpreter	Practical should be conducted to assess the concept of the students.

PWT-IV: 4-6 February 2027 [Except JNV Leh, Kargil, Shimla, Kullu, Lahul-spiti-RO Chandigarh may decide for these JNVs]

Feb-27	24	Revision and Practical Assessment

Syllabus Completion for Term-II : 28 February 2027

नवोदय विद्यालय समिति

विषय - हिन्दी ('अ' पाठ्यक्रम)   कोड संख्या - 002   **कक्षा- दसवीं (10)**

परीक्षा हेतु पाठ्यक्रम विनिर्देशन

खण्ड	विभाग	भारांक
क.	अपठित बोध	14
ख.	व्यावहारिक व्याकरण	16
ग.	पाठ्यपुस्तक एवं पूरक पाठ्यपुस्तक	30
घ.	रचनात्मक लेखन	20

कुल अंक - 80

भारांक 80 (वार्षिक बोर्ड परीक्षा) + 20 (आन्तरिक परीक्षा)

* सम्पूर्ण प्रश्न पत्र चारखंडों, जैसे-**खंड 'क'** (अपठित गद्यांशऔरकाव्यांश), **खंड 'ख'**(व्यावहारिक व्याकरण),

खंड 'ग' (पाठ्यपुस्तक क्षितिज भाग - 2 एवं पूरक पाठ्यपुस्तक कृतिका भाग- 2) और **खंड 'घ'** (रचनात्मक

लेखन) , के रूप में विभाजित होंगे।

* निर्देशानुसार प्रश्न पत्र में दिए गये समस्त खण्डों का उत्तर देना अनिवार्य है।

* खंड 'क'में से 3 - 3, खंड 'ग'में से 5 - 5, बहुविकल्पीय प्रश्न, इस प्रकार कुल 16 वस्तुपरक प्रश्न पूछे जाएँगे ।

* खंड 'ग' में 20 विकल्पसूचक प्रश्न पूछे जाएँगे,जिनमें से 16 प्रश्न करने अनिवार्य हैं ।

* खंड 'क' में 4 (2+2), खंड 'ग' में कुल 11 एवं खंड 'घ' में वर्णनात्मक प्रश्न पूछे जाएँगे, जिन प्रश्नों में उचित आंतरिक विकल्प दिए जाएँगे।

वार्षिक परीक्षा हेतु अंक भार विभाजन

खंड 'क'

क्रम संख्या		विषयवस्तु	उप भार	कुल भार
1.		अपठितांश		
	क	अपठित गद्यांश (विकल्प सहित) जिनमें से तीन बहुविकल्पीय प्रश्न एवं तीन लघूत्तरात्मक प्रश्न पूछे जाएँगे । (1+1+1+2+2)	7	14
	ख	अपठित काव्यांश (विकल्प सहित) जिनमें से तीन बहुविकल्पीय प्रश्न एवं तीन लघूत्तरात्मक प्रश्न पूछे जाएँगे । (1+1+1+2+2)	7	

खंड 'ख '

2.		व्याकरण के लिए निर्धारित विषयों पर विषयवस्तु का बोध, भाषिक बिन्दु संरचना आदि पर बहुविकल्पीय प्रश्न (कुल बीस में से कोई 16 प्रश्न करने हैं)		
		व्याकरण		
	1.	रचना के आधार पर वाक्य -भेद (पाँच में से चार प्रश्न)	4	16
	2.	वाच्य (पाँच में से चार प्रश्न)	4	
	3.	पद -परिचय (पाँच में से चार प्रश्न)	4	
	4.	अलंकार:-अर्थालंकार: उपमा,रूपक, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण(पाँच में से चार प्रश्न)	4	

खंड 'ग'

3.		खंड 'ग'		
		पाठ्यपुस्तक क्षितिज भाग -2		
	क.	गद्य - खंड	11	
		क्षितिज से निर्धारित पाठों में से गद्यांश के आधार पर विषय वस्तु का शीर्षक चयन,ज्ञान, अवबोध और अभिव्यक्ति परक एक अंकीय पाँच बहुविकल्पीय प्रश्न करने होंगे।	5	
	ख.	क्षितिज से निर्धारित पाठों में से गद्यांश के आधार पर विषय वस्तु का शीर्षक चयन , ज्ञान,अवबोध और अभिव्यक्ति परक तीन वर्णनात्मक प्रश्न (विकल्प सहित), शब्द सीमा 25-30 (4 में से कोई 3 प्रश्न)	6	

	क.	**काव्य-खंड**	11	
		क्षितिज से निर्धारित पाठों में से काव्यांश के आधार पर विषय वस्तु का शीर्षक चयन, ज्ञान, अवबोध और अभिव्यक्ति परक एक अंकीय पाँच बहुविकल्पीय प्रश्न 5 करने होंगे ।	5	
	ख.	क्षितिज से निर्धारित पाठों में से काव्यांश के आधार पर विद्यार्थियों की का काव्य - बोध परखने हेतु <u>तीन वर्णनात्मकप्रश्न</u> (विकल्प सहित), शब्द सीमा 25 - 30 (4 में से कोई 3 प्रश्न करने हैं)	6	
	ग.	**पूरक पाठ्यपुस्तक कृतिका भाग- 2**	**8**	
		कृतिका निर्धारित पाठों पर आधारित <u>तीन वर्णनात्मक प्रश्न</u> (विकल्प सहित), शब्द सीमा 50 - 60 (3 में से कोई 2 प्रश्न करने हैं)	8	
4.		खंड 'घ'		
		लेखन		
	क.	विभिन्न विषयों और संदर्भ पर विद्यार्थियों के तर्कसंगत विचार प्रकट करने की क्षमता को परखने के लिए संकेत बिन्दु आधारित समसामयिक एवं व्यावहारिक जीवन से सम्बन्धित विषय पर लगभग 120 शब्दों में एक अनुच्छेद (3 में से कोई 1 करना है)	6	
	ख.	अभिव्यक्ति की क्षमता पर केन्द्रित औपचारिक एवं अनौपचरिक विषय पर, लगभग 100 शब्दों में पत्र (विकल्प सहित)	5	**20**
	ग.	उपलब्ध रिक्त पदवी के लिए लगभग 80 शब्दों में, स्ववृत लेखन अथवा विविध विषयों पर आधारित लगभग 100 शब्दों में, औपचारिक ई - मेल लेखन।	5	
	घ	दिए गए विषय से संबंधित लगभग 60 शब्दों में, विज्ञापन लेखन । अथवा शुभकामना , पर्व, त्योहार एवं विशेष अवसर के अनुसार संदेश लेखन ।	4	
		कुल अंक		**80**
5.		**आंतरिक मूल्यांकन**		**20**
	क.	सामयिक आकलन	5	
	ख.	बहुविध आकलन	5	
	ग.	पोर्टफोलियो	5	
	घ	श्रवण एवं वाचन	5	
		कुल योग		**100**

नवोदय विद्यालय समिति

कक्षा-10   **विषय-हिन्दी ('अ' पाठ्यक्रम)**

माह	कार्य दिवस	विषय वस्तु / पाठ का नाम	परियोजना कार्य
अप्रैल /मई 2026	22	**क्षितिज भाग-2** सूरदास के पद - सूरदास (काव्य) नेताजी का चश्मा - स्वयं प्रकाश (निबंध) **कृतिका भाग - 2** माता का आँचल - शिवपूजन सहाय (कृतिका) **व्याकरण -** अलंकार - अर्थालंकार - (उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण) अपठित गद्यांश	भक्तिकालीन कविताओं का संग्रह अलंकार - भेद का चार्ट बनाएँ। अपने बचपन की कोई घटना का वर्णन
मई - जुलाई 2026	27	**क्षितिज भाग - 2** बालगोबिन भगत - रामवृक्षबेनीपुरी (संस्मरण) लखनवी अंदाज - यशपाल (व्यंग्य) राम - लक्ष्मण - परशुराम संवाद - तुलसीदास (काव्य) **व्याकरण-** रचना के आधार पर वाक्य भेद (व्याकरण) अपठित काव्यांश औपचारिक व अनौपचारिक पत्र लेखन	संस्मरण और रेखाचित्र पर लेख प्रस्तुति वाक्य - भेद का चार्ट बनाएँ।

अगस्त 2026	21	**क्षितिज भाग – 2** आत्मकथ्य - जयशंकर प्रसाद (काव्य) उत्साह, अट नहीं रही है - सूर्यकान्त त्रिपाठी 'निराला' (काव्य) **व्याकरण -** वाच्य अनुच्छेद लेखन	तुलसीदास की चौपाइयों का संग्रह एवं जीवन परिचय वाच्य - भेद का वर्गिकरण चार्ट
सितम्बर 2026	12	**क्षितिज भाग – 2** यह दंतुरित मुस्कान, फसल - नागार्जुन (काव्य) **व्याकरण -** स्ववृत लेखन औपचारिक ई - मेल लेखन	ऋतुओं के आधार पर वर्ष भर में खेती किए जानेवाले विविध फसलों का विभाजन व उनकी उत्पादन - प्रक्रिया का वर्णन
		सत्रांत परीक्षा (16 सितम्बर - 29 सितम्बर2026)	

अक्टूबर 2026 नवंबर 2026	20	**क्षितिज भाग - 2** एक कहानी यह भी - मन्नूभण्डारी (आत्मकथा) नौबत खाने में इबादत - यतीन्द्र मिश्र **कृतिका भाग - 2** साना-साना हाथ जोडि -मधु कांकरिया (कृतिका) **व्याकरण -** पद - परिचय विज्ञापन **क्षितिज भाग-2** संस्कृति-भदन्त आनन्द कौसल्यायन (निबन्ध) संगतकार - मंगलेशडबराल (काव्य) **कृतिका भाग-2** मैं क्यों लिखता हूँ - अज्ञेय (आत्मकथा) **व्याकरण-** संदेश लेखनः (शुभकामना, पर्व , त्योहार एवं विशेष अवसर के संदर्भ में)	स्त्रियों की वर्तमान समाज में स्थिति, इस विषय पर परिचर्चा का आयोजन विज्ञापन लेखन अभ्यास अपने वर्तमान व अतीत की घटनाओं को जोड़ते हुए भविष्य - निर्माण लक्ष्यों पर परिचर्चा संदेश लेखन अभ्यास
		प्री- बोर्ड - I (21 नवंबर- 03 दिसंबर 2026)	
पुनरावृत्ति **प्री- बोर्ड - II (क्षेत्रीय कार्यालिय के निर्णयानुसार)**			
पुनरावृत्ति सम्पूर्ण पाठ्यक्रम की पुनरावृत्ति			
पुनरावृत्ति **वार्षिक परीक्षा (15 फरबरी 2027 ‘केन्द्रीय माध्यमिक शिक्षा बोर्ड ’ के निर्णयानुसार)**			

विशेष टिप्पणी :- निम्नलिखित अध्याय 'केन्द्रीय माध्यमिक शिक्षा बोर्ड ' के द्वारा 2022 - 23

क्षितिज भाग-2	काव्य-खंड	• सवैया और कवित्त - देव • छाया मत छूना - गिरिराज कुमार माथुर • कन्यादान - ऋतुराज
	गद्य - खंड	• मानवीय करुणा की दिव्य चमक - सर्वेश्वर दयाल सक्सेना • स्त्री शिक्षा के विरोधी कुतर्कों का खण्डन- महावीर प्रसाद द्विवेदी
कृतिका भाग- 2		• जॉर्ज पंचम की नाक - कमलेश्वर • एहीं ठैयाँ झुलनी हेरानी हो रामा - शिवप्रसाद मिश्र 'रुद्र' (कृतिका)

से हटा दिए गये हैं :-

(नये सत्र में बोर्ड द्वारा किया गया संशोधन मान्य होगा ।)

निर्धारित पाठ्यपुस्तकें:- एन्. सी. ई .आर. टी. द्वारा प्रकाशित -

☐ **क्षितिज भाग-2**

☐ **कृतिका भाग- 2**

☐ **व्याकरण पुस्तिका**

नवोदय विद्यालय समिति

कक्षा दसवीं   हिन्दी 'ब' पाठ्यक्रम   (विषय कोड: 085)

शैक्षणिक सत्र: 2026-27

परीक्षा हेतु पाठ्यक्रम विनिर्देशन

खंड		भारांक
क	अपठित बोध	14
ख	व्यावहारिक व्याकरण	16
ग	पाठ्यपुस्तक एवं पूरक पाठ्यपुस्तक	28
घ	रचनात्मक लेखन	22

कुल भारांक: 80 (वार्षिक बोर्ड परीक्षा) + 20 (आंतरिक मूल्यांकन)

निर्धारित समय: 3 घंटे   **भारांक: 80**

	वार्षिक बोर्ड परीक्षा हेतु भार विभाजन		
	खंड – क (बहुविकल्पी प्रश्न)		
	विषयवस्तु	उप भार	कुल भार
1.	अपठित गद्यांश (कुल 14 अंक)		
	दो अपठित गद्यांश (लगभग 200 शब्द) 1 अंक के 3 बहुविकल्पी प्रश्न (3×1=3) 2 अंक के 2 अतिलघुत्तर/लघुत्तर प्रश्न (2×2=4)	7 +7	14
	खंड – ख (व्यावहारिक व्याकरण) (16 अंक)		
2.	(कुल 20 प्रश्न पूछे जाएंगे, जिनमें से 16 प्रश्न करने होंगे) विषयवस्तु का बोध, भाषिक बिंदु / संरचना आदि पर अतिलघूत्तरात्मक / लघूत्तरात्मक प्रश्न		16
	1. पदबंध– 5 में से 4 प्रश्न (4×1=4)	4	
	2. रचना के आधार पर वाक्य रूपांतरण– 5 में से 4 प्रश्न (4×1=4)	4	
	3. समास– 5 में से 4 प्रश्न (4×1=4)	4	
	4. मुहावरे– 5 में से 4 प्रश्न (4×1=4)	4	
	खंड – ग (पाठ्यपुस्तक एवं पूरक पाठ्यपुस्तक) (28 अंक)		28

3.	**(अ) गद्य खंड – स्पर्श (भाग-2) (11 अंक)**	11	
	गद्यांश पर 5 बहुविकल्पी प्रश्न (5×1=5)	05	
	25-30 शब्द सीमा वाले 4 में से 3 प्रश्न (3×2=6)	06	
4.	**(ब) काव्य खंड – स्पर्श (भाग-2) (11 अंक)**	11	
	1. काव्यांश पर 5 बहुविकल्पी प्रश्न (5×1=5)	05	
	2. 25-30 शब्द सीमा वाले 4 में से 3 प्रश्न (3X2=6)	06	
5.	**(स) पूरक पाठ्यपुस्तक – संचयन (भाग-2) (6 अंक)**	6	
	50-60 शब्द सीमा वाले 3 में से 2 प्रश्न (2×3=6)		
	खंड – घ (रचनात्मक लेखन) (22 अंक)		
6.	1. अनुच्छेद लेखन (लगभग 120 शब्द) 3 में से 1 प्रश्न	5	22
	2. पत्र लेखन (लगभग 100 शब्द) 2 में से 1 प्रश्न	5	
	3. सूचना लेखन (लगभग 60 शब्द) 2 में से 1 प्रश्न	4	
	4. विज्ञापन लेखन (लगभग 40 शब्द) 2 में से 1 प्रश्न	3	
	5. ई-मेल लेखन (लगभग 80 शब्द) अथवा लघुकथा लेखन (लगभग 100 शब्द)	5	
	आंतरिक मूल्यांकन (20 अंक)		20
	सामयिक आकलन	5	
	बहुविध आकलन	5	
	पोर्टफोलियो	5	
	श्रवण एवं वाचन	5	
	कुल:		**100**

निर्धारित पुस्तकें

1. स्पर्श, भाग–2, एन.सी.ई.आर.टी., नई दिल्ली

2. संचयन, भाग–2, एन.सी.ई.आर.टी., नई दिल्ली

नवोदय विद्यालय समिति

कक्षा दसवीं   **हिन्दी 'ब' पाठ्यक्रम**

माह	हिन्दी की संख्या	पाठ का नाम / विषयवस्तु	परियोजना कार्य / क्रिया कलाप
अप्रैल / जून –2026	22	**स्पर्श भाग-2:** बड़े भाई साहब – प्रेमचंद डायरी का एक पन्ना – सीताराम सेकसरिया साखी – कबीर दास **संचयन-2:** हरिहर काका – मिथिलेश्वर **व्याकरण:** पदबंध **रचनात्मक लेखन** अनुच्छेद लेखन	1. मध्यकालीन कवियों की कविताओं का संग्रह करें | 2. बड़े भाई साहब लघु फिल्म का आस्वादन करें	
		आवधिक परीक्षा1- 27)से (2026 अप्रैल 29	
मई / जुलाई 2026	27	**स्पर्श भाग-2:** तंतारा वामीरों कथा – लीलाधर मंडलोई तीसरी कसम के शिल्पकार – प्रह्लाद अग्रवाल पद – मीरा बाई मनुष्यता – मैथिलीशरण गुप्त **संचयन-2:** सपनों के से दिन – गुरु दयाल सिंह **व्याकरण:** समास **रचनात्मक लेखन** अपठित गद्यांश,	1. मीरा बाई के पदों का कक्षा में गायन | 2. समासों की परिभाषा एवं भेदों की पॉवर पॉइन्ट प्रस्तुति तैयार करें	

माह	दिवस	पाठ्यक्रम	गतिविधियाँ
अगस्त 2026	21	**स्पर्श भाग-2:** पर्वत प्रदेश में पावस – सुमित्रानंदन पंत अब कहाँ दूसरों के दुख से दुखी होने वाले – निदा फ़ाज़ली पतझड़ में टूटी पत्तियाँ – रविन्द्र केलकर **व्याकरण:** रचना के आधार पर वाक्य रूपांतरण **रचनात्मक लेखन** औपचारिक पत्र लेखन	1. प्रकृति चित्रण सम्बन्धी पाँच कविताओं का संग्रह करें। 2. शैलेन्द्र की फिल्म फिल्म तीसरी कसम देखिए। 3. वाक्य रूपांतरण और परिभाषा सम्बन्धी चार्ट तैयार करें।
		आवधिक परीक्षा-2)10 से 12 अगस्त -(2026	
सितम्बर 2026	12	**स्पर्श भाग-2:** पतझर में टूटी पत्तियाँ तोप – वीरेन डंगवाल **व्याकरण:** मुहावरे **रचनात्मक लेखन** विज्ञापन लेखन	अपने पाठ्यपुस्तकों में से मुहावरों को चुनकर एक मुहावरा-कोश का निर्माण करें।
		सत्रांत परीक्षा1-)16 से 29सितम्बर- (2026	
अक्टूबर /नवम्बर-2026	20	**स्पर्श भाग-2:** कर चले हम फ़िदा – कैफ़ी आज़मी आत्मत्राण – रवीन्द्रनाथ ठाकुर कारतूस – हबीब तनवीर **रचनात्मक लेखन** सूचना लेखन **संचयन-2:** टोपी शुक्ला – राही मासूम रज़ा **रचनात्मक लेखन** लघुकथा लेखन, औपचारिक ई-मेल लेखन	कारतूस एकांकी की मंच पर प्रस्तुति करें। अपने बचपन की यादों के आधार पर एक लघु कथा लिखें।
		प्री बोर्ड –प्रथम 21 नवम्बर से 03 दिसम्बर -2026	

पुनरावृत्ति		
प्री बोर्ड - द्वितीय		
क्षेत्रीय कार्यालय के निर्णयानुसार		
पुनरावृत्ति		
सम्पूर्ण पाठ्यक्रम की पुनरावृत्ति		
वार्षिक परीक्षा		
केंद्रीय माध्यमिक शिक्षा बोर्ड के निर्णयानुसार		

NAVODAYA VIDYALAYA SAMITI

SPLIT-UP OF SYLLABUS 2026-27

CLASS: X SUBJECT: ENGLISH LANGUAGE & LITERATURE (184)

Sr No	Sections	Competencies	Marks
1	READING COMPREHENSION	Conceptual understanding, decoding, analyzing, inferring, interpreting and vocabulary	20
2	WRITINGSKILL&GRAMMAR	Creative expression of an opinion, reasoning, justifying, illustrating, appropriate style and tone, using appropriate format and fluency. Applying conventions, using integrated structures with accuracy and fluency	20
3	LANGUAGE THROUGH LITERATURE	Recalling, reasoning, appreciating, applying literary conventions illustrating and justifying etc. Extract relevant information, identifying the central theme and sub-theme, understanding the writers' message and writing fluently.	40
Total Marks			80
Internal Assessment			20
Grand Total			100

MONTH	NO. OF DAYS	MAIN TOPICS	GRAMMAR AND COMPOSITION	ACTIVITIES/PROJECT/PRACTICAL EXPERIMENTS TO BE HELD/SPECIFIC ASSESSMENT TOOL(S) (SUGGESTED)
April-2026 June-2026	22	FIRST FLIGHT (MAINTEXT BOOK) CHAPTER1:A LETTER TO GOD by G.L.FUENTES POEM1:DUST OF SNOW by ROBERT FROST POEM 2: FIRE AND ICE by ROBERT FROST CHAPTER 2: NELSON MANDELA: LONG WALK TO FREEDOM byNelson Rolihlahla Mandela FOOT PRINT SWITHOUT FEET (SUPPLE MENTARY READER) CHAPTER1:A TRIUMPH OF SURGERY by JAMESH ERRIOT READING COMPREHENSION: Discursive & Case Based Passages with Visual Input	GRAMMAR:TENSES (Bridge Course) Subject Verb Concord MODALS DETERMINERS WRITING:Informal&Formal LETTER WRITING	LSRW activities: ROLE PLAY: Role play based on the lesson 'A LETTER TOGOD'/A Dayin a Post Office FIELD TRIP/VISIT:Visitto a Post office in your locality and collect information on different job opportunities at India Post/ various services offered by India Post. DEBATE/DISCUSSION/PORT FOLIO ASSIGNMENT: 1) Apar the id/Untouchability/other discrimination and Colonialism. 2) Indian Renaissance Leaders and their contribution 3) Indian Constitution and Judicial System-A shield against discrimination. 4) Multi-disciplinary teaching style: Balanced diet and need for games, sports and workouts (Science teacher/Staff Nurse and Physical Education Teacher) FIELD TRIP/ VISIT: Visit in ganear byZoo. DEBATE/DISCUSSION/ PORT FOLIO ASSIGNMENT: Animals in Captivity (For Zoo: Roles of Zoo- conservation, research, education and recreation/ Against Zoo: Minimal freedom for animals-boredom, stress and confinement for animals etc.)

		PERIODICWRITTENTEST–I (As per schedule)		
May/ June/ July 2026	27	FIRST FLIGHT(MAIN TEXT BOOK) CHAPTER 3:TWO STORIES ABOUT FLYING: 1) HIS FIRST FLIGHT by LiamO' Flaherty 2) BLACK AEROPLANE by Frederick Forsyth POEM 3: ATIGER IN THE ZOO byLESLIE NORRIS POEM 4: HOW TO TELL WILD ANIMALS by Carolyn Wells POEM 5: THE BALL POEM by John Berry man CHAPTER 4: FROM THE DIARY OF ANNE FRANK by Anne Frank FOOT PRINTS WITHOUT FEET(SUPPLEMENTARY READER) CHAPTER 2: THE THIEF'S STORY by RUSKIN BOND CHAPTER 3:THE MID NIGHT VISITOR by Robert Arthur CHAPTER 4: A QUESTION OF TRUST byVictor Canning READING COMPREHENSION: Discursive & CaseBasedwith Visual Input	GRAMMAR: Tenses, Editing & Omission, Reported Speech: Command, and requests, Statements, Questions WRITING:Analytical Paragraph Writing	PORT FOLIO ASSIGNMENT:Collect stories about how famous personalities were motivated by their parents/ teachers/ role models. (E.g. Swami Vivekananda by Sri Ramakrishna Paramahamsa, SachinTendulkar by Ramakant Achrekar etc.) PORT FOLIO ASSIGNMENT:Write about a precious thing you lost and how did you overcome that situation. PORT FOLIO ASSIGNMENT/COLLAGE: The Holocaust PORT FOLIO ASSIGNMENT: ROLEPLAY: Role play based on the lesson 'THE THIEF'S STORY'/'THE MID NIGHT VISITOR'. JUST AMINUTE (JAM) ACTIVITY: Ausable shows great presence of mind or ability to think quickly and act wisely in a situation of danger.Give examples of suchan event from your own experience. STORY TELL IN GPEDAGOGY: Present the story 'A QUESTION OF TRUST' / 'FOOT PRINTS WITH OUT FEET' before the class.
August 2026	21	FIRST FLIGHT (MAIN TEXT BOOK) CHAPTER5: GLIMPSES OF INDIA 1) A BAKER FROM GOA by Lucio Rodrigues	WRITING & GRAMMAR GRAMMAR: Subject-Verb Concord, Reported Speech,Modals	PORT FOLIO ASSIGNMENT :Collect information/Pictures and write about any three unique and important monuments/ tourist places/ festivals of

		2) COORG by Lokesh Abrol 3) TEA FROM ASSAM byArup KumarDutta POEM 6:AMANDA!by Robin Klein POEM 7:THE TREES byAdrienne Rich CHAPTER 6:MIJBIL THE OTTER by Gavin Maxwell POEM8:FOG by Carl Sandburg FOOT PRINTS WITHOUT FEET(SUPPLEMENTARY READER) CHAPTER 5: FOOT PRINTS WITH OUT FEET by H.G.Wells CHAPTER 6:THE MAKING OF A SCIENTIST by ROBERTW. PETERSON READING COMPREHENSION, Discursive & Case Based with Visual Input	Active and Passive Voice CBQ practice Transformation of sentences WRITING:Letter Writing (Letter to the Editor, Letter for Order, Complaint Letter etc.)	India and one local monument/ tourist place / festival. Understanding of the poem Chivvy prescribed in old NCERT Text book class VII and compare the poem with AMANDA FIELD TRIP/VISIT: Preparean Itinerary of your visit to a heritagesite of India you visited as a part of Field Trip/ Family Tour. ART INTEGRATION:Draw/painta beautiful natural scenery. INSPIRE MANAK: Prepare a report for presentingideas/innovationsforI NSPIRE MANAK 2025-26.
August 2026		**PERIODICWRITTEN TEST-II (As per schedule)**		
September- 2026	12	FIRSTFLIGHT(MAINTEXT BOOK) CHAPTER7:MADAM RIDES THE BUS by Vallikkannan CHAPTER7:THE NECKLACE by Guyde Maupassant READING COMPREHENSION: Discursive & Case Based with Visual Input	GRAMMAR:Finites &Non-Finites,ReportedSpeech,Error Correction, Integrated Grammar Practice	A BUS/TRAIN RIDE: Write the experience/feelings about BUS/TRAIN RIDE you experienced recently. ROLEPLAY:Role play based on the lesson 'THE NECKLACE'.

September 2026		TERM I EXAMINATIONS (As per schedule)		
October-2026	25	POEM 9:THE TALE OF CUSTARD THE DRAGON by Ogden Nash CHAPTER 8:THE SERMON AT BANARES POEM10: FOR ANNE GREGORY by William Butler Yeats CHAPTER 8:BHOLI by K. A. Abbas COMPREHENSION: Discursive & Case Based with Visual Input	GRAMMAR:Quantifiers, Reported Speech, Error Correction, Clauses.	ART INTEGRATION:Make a comic book on the ballad 'THE TALE OF CUSTARD THE DRAGON'. STORY TELLING PEDAGOGY:Present the story 'THE SERMON AT BANARES' before the class. POWER POINT PRESENTATION: Problems faced by women in India and measures for Women Empowerment. JAM(JUSTAMINUTE)SPEECH:Speech onthetopic'Beauty is only skin deep'or' Don't Judge a book by its cover'
November 2026	15	CHAPTER 9:THE PROPOSALbyAntonChekov CHAPTER 9: THE BOOK THATSAVEDTHEEARTHby Claire Boiko READING COMPREHENSION:Discursive & Case Based with Visual Input	GRAMMAR: Active Voice & Passive Voice, Conditional Clauses,Edition/ErrorCorrection Editing & Omission WRITING:Analytical Paragraph	ROLE PLAY:Role-play based on the lesson 'THE PROPOSAL'. ROLE PLAY:Role play based on the lesson 'THE BOOK THAT SAVED THE EARTH'. ART INTEGRATION: Make a comic book on the play_THE BOOK THAT SAVED THE EARTH'. ARTINTEGRATION:Drawing/Painting/ Clay modelling - of the alien/ alien invasion based on the chapter 'THE BOOK THAT SAVED THE

NOVEMBER 2026		**PRE-BOARD (As per schedule)**	
December 2026	**PRE-BOARD II**		
January 2027	**ASSESSMENT OF LISTENING & SPEAKING (ALS) / Internal Assessment, REVISION OF LESSONS,REMEDIALTEACHING,STRATEGIESFORIMPROVEMENT OF CLASS AVERAGE/ PI.**		
February 2027	**CBSE EXAMINATION**		
March-2027	**CBSE EXAMINATION**		

Note- Activities for ASL and comprehension should be designed using workbook for class X "Words and Expressions – II" Units 1-4 and Units 7-11

(The book can be accessed online on NCERT website).

NAVODAYA VIDYALAYA SAMITI

CLASS: X   SUBJECT: MATHEMATICS

COMMON FOR BOTH STANDARD AND BASIC

Unit Number	Name of the Chapter/Unit	No of Days/Periods	Marks
I	NUMBER SYSTEM	10	06
II	ALGEBRA	36	20
III	CO-ORDINATE GEOMETRY	10	06
IV	GEOMETRY	25	15
V	TRIGONOMETRY	22	12
VI	MENSURATION	24	10
VII	STATISTICS & PROBABILITY	20	11
	TOTAL	**147**	**80**
	Internal Assessment (20 Marks)		
	Pen Paper Test and Multiple Assessment: (05 M + 05 M) **Portfolio: (05 Marks)** **Lab Practical (Lab Activities to be done from the prescribed books):(05 Marks)** **Note- 1) The teachers can refer NCERT Activity/Lab manual for conducting activities.** **2) Teachers may arrange special classes to Complete the syllabus as per given in Split up of Syllabus Schedule.**		
	GRAND TOTAL		**100**

MONTH	NO OF DAYS	NO. OF PERIODS	Weightage of Marks for the Unit / Chapter	Units / Subunits/ Topics/Chapters to be Covered	Details of Activity/Practical/ Projects to be given	Unit Tests / Formative Tests / Assignment
APRIL/ JUNE 2026	25	31	06	**UNIT I: NUMBER SYSTEM** **REAL NUMBERS:** Fundamental Theorem of arithmetic-statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5}$ etc.	**Activity:** To construct a square root spiral. **Activity:** To find the square root of 13,29,73 using graph paper. **Activity:** To determine the Zeroes of linear polynomial, Quadratic polynomial and cubic polynomial graphically. **Activity:** To draw and observe the shape of curve when the coefficient of x^2 is positive and negative and its number of zeroes. **Activity:** To draw the graph of quadratic polynomial and observe the shape of the curve hence find the zeroes of the quadratic equation. **Activity:** To obtain the solution of quadratic equation by completing the square geometrically.	PERIODIC WRITTEN TEST I(27 TO 29 APRIL/23 TO 25 JUNE)
			20	**UNIT II: ALGEBRA** **POLYNOMIALS:** Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomials. **UNIT II: ALGEBRA** **QUADRATIC EQUATIONS:** Standard form of a quadratic equation ax2+bx+ c = 0, (a ≠ 0). Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots. Situational problems based on quadratic equations related to day to day activities to be incorporated.		

JUNE/JULY 2026	27	32		**UNIT II: ALGEBRA** **PAIR OF LINEAR EQUATIONS IN TWO VARIABLES:** Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically- By substitution, by elimination. Simple situational problems.	**Activity:** To verify the conditions for Consistency/in consistency for pair of linear equations in two variables by graphical method. **Maintain Portfolio Multiple Assessment:** Quiz / Puzzle / Exit cards / Oral test/Origami/PPT/ Project/ Concept mapping/mind mapping etc.
			06	**UNIT III: COORDINATE GEOMETRY** Review: Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division)	**Activity:** To verify the distance formula by graphical method.
			15	**UNIT IV: GEOMETRY** **TRIANGLES:** Definitions, examples, counter examples of similar triangles. 1) (Prove)If a line is drawn parallel to one side of a triangle to intersect the other two side's indistinct points, other two sides are divided in the same ratio. 2) (Motivate)If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.	**Activity:** To verify Section formula. **Activity:** Verification of Basic proportionality theorem
AUGUST 2026	24			**UNIT IV: GEOMETRY** **TRIANGLES (Continued…)** 1) (Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar. 2) (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar. 3) (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.	**Activity:** To find the relationship between Area and sides of similar triangles. **Activity:** Verification of Pythagoras theorem By cut and paste activity (Bhaskara Method) **Activity:** To draw the system of Similar triangles using Y shaped strips with nails
				PERIODIC WRITTEN TEST –II (10-12 AUGUST)	

(Right margin, vertical text:) **PERIODIC WRITTEN TEST –II (10-12 AUGUST)**

		28	12	**UNIT V: INTRODUCTION TO TRIGONOMETRY** Trigonometric ratios of an acute angle of a right angled triangle. Proof of their existence (well defined); motivate the ratios which ever are defined at 0o and 90o. Values of the trigonometric ratios of 300, 450 and 600. Relationships between the ratios.	Hence verify Thales theorem. **Maintain Portfolio Multiple Assessment:** Quiz / Puzzle / Exit cards / Oral test/Origami/PPT/Proje ct/ concept mapping/mind mapping etc	
				TRIGONOMETRIC IDENTITIES: Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.	**Activity:** To Draw the graph of trigonometric functions of Sin function of some angles: 0^0, 30^0, 45^0, $60°$, $90°$	
			10	**UNIT VI - MENSURATION AREAS RELATED TO CIRCLES:** 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 $60°,90°$ and $120°$ only).	**Activity:** To Draw the graph of trigonometric functions of Cos function for angles: $0^0,30^0,45^0,60^0,90^0$ **Activity:** To Draw the Graph of trigonometric functions of Tan function for angles:0^0, 30^0, 45^0, $60°$, $90°$ **Activity:** To find the area of circle by using cut and paste activity (dividing the circle into16 parts and converting into parallelogram).	
SEPTEMBER 2026	25	17	11	**UNIT-VII - STATISTICS AND PROBABILITY** **STATISTICS:** Mean median and mode of grouped data (Bimodal situation to be avoided).	**Activity:** To draw the cumulative frequency curve of more than type and hence find Median. **Activity-:** To draw a cumulative frequency curve of less than Type (ogive)	

TERM-I EXAMINATION (16.09.2026 – 29.09.2026)

SEPTEMBER 2026	25	14	TOTAL MARKS FOR UNIT (ALGEBRA) 20	**UNIT-II: ALGEBRA** **ARITHMETIC PROGRESSIONS:** Motivation for studying Arithmetic Progression. Derivation of the nth term and sum of the first 'n' terms of A.P. and their application in solving daily life problems.	**Activity:** To identify the arithmetic progression in some given list of numbers (patterns) **Activity:** To find the sum of n natural numbers. **Activity:** To find the sum of the first n-even natural numbers. **Activity:** To establish a formula for the sum of first 'n' terms of an Arithmetic Progression.	

OCTOBER 2026	20 to 30 Days	29	15	**UNIT IV: GEOMETRY** **CIRCLES**: Tangent to a circle at ,point of contact 1) (Prove) The tangent at any point of a circle is perpendicular to the radius through the point o contact. 2) (Prove) The lengths of tangents drawn from an external point to a circle are equal.	**Activity:** To observe the lengths of two tangents drawn from an external point to a circle are equal. **Activity:** To draw the pair of tan gents when angle of inclination between two tangents is given.	
			12	**HEIGHTS AND DISTANCES:** Angle of elevation, Angle of Depression Simple 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°.	**Activity:** To verify experimentally that the tangent at any point to a circle is perpendicular to the radius through that point.	
			11	**UNIT VII-STATISTICS AND PROBABILITY:** **PROBABILITY:** Classical definition of probability. Simple problems on finding the probability of an event.	**Activity:** To find the angle of elevation / depression of the building / pole / tree by using clinometers. **Activity:** To find experimental probability of units digits of telephone number listed on a page selected at random from a Telephone directory To determine probability of a Head or a Tail by tossing a coin maximum number of times and compare with its theoretical probability. **Activity:** To find experimental probability of each outcome of a Die when it is thrown a large number of times.	

				UNIT VI - MENSURATION **SURFACE AREAS AND VOLUMES** Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.	**Activity:** To form a cone from a sector of circle and to find the formula of a cone. **Activity:** To find the surface area of right circular (LSA and TSA) cylinder experimentally (preferably glass vessel or tumbler) **Activity:** To find the Relationship among Volumes of a Right circular Cone, a hemisphere, and a right circular cylinder of equal radii and equal heights. **Note: The teachers can refer NCERT Lab manual for conducting activities.**	
NOVEMBER 2026	**12 to 15 days**	**10**	**10**			
				REVISION & PRE-BOARD I (21.11.2026 – 03.12.2026)		
DECEMBER 2026				**REVISION PRE BOARD–II**		
JANUARY 2026				**REVISION & PRE BOARD –II (AS PER DECIEDE BY RESPECTIVE REGIONAL OFFICES)**		
FEBRUARY 2026				**REVISION/ CBSE BOARD EXAMINATIONS**		
MARCH 2026				**CBSE BOARD EXAMINATIONS**		

Prescribed Books:
• Mathematics-Text book for Class X, NCERT Publication
• Mathematics Exemplar Problems for Class X, Published by NCERT
• Laboratory Manual-Mathematics, secondary stage, published by NCERT
• Guide lines for mathematics Laboratory in Schools, Class X-CBSE
Publication http://www.ncert.nic.in/exemplar/labmanuals.html
Note:
a. The activities listed above are suggestive only. Teachers are advised to refer the Lab Manual for class X, published by CBSE. Throughout the year any 10 activities shall be performed by the student from the activities given in the Lab Manual.
 b. Number of periods required for each chapter is mentioned as given in CBSE curriculum.

***

NAVODAYA VIDYALAYA SAMITI

SPLIT OF SYLLABUS (2026-27)

CLASS: X   SUBJECT: SCIENCE

Unit No	Name of the Chapter/Unit	Marks
I	Chemical Substances-Nature and Behavior Chapters (1-4)	25
II	World of living Chapters (5-8)	25
III	Natural Phenomena Chapters (9-10)	12
IV	Effects of Current Chapters (11-12)	13
V	Natural Resources Chapters (13)	05
	TOTAL	**80**
S.N.	SECTION	MARKS ALLOTTED
1	Section A (Bio)	30
2	Section B(Chemistry)	25
3	Section C(Physics)	25
	Total Marks	80
	Internal Assessment	20
	Grand Total	**100**

INTERNAL ASSESMENT

1. Periodic Written Test   (5M)

2. Multiple assessment   (5M)

3. Portfolio   (5M)

4. Subject enrichment activity   (5M)

TOTAL   **20**

CLASS: X   SECTION A (BIOLOGY)

Unit No.	Name of the Chapter / Unit	Marks
II	**World of Living** Chapter 5- Life Processes Chapter 6- Control and Coordination Chapter 7- How do Organisms Reproduce? Chapter 8- Heredity	25
V	**Natural Resources** Chapter 13- Our Environment	5
	TOTAL	**30**

SPLIT UP SYLLABUS FOR CLASS X BIOLOGY

SESSION 2026-27

MONTH	NO. OF DAYS	MAIN TOPICS AND SUB-TOPICS TO BE COVERED	PRACTICALS/ ACTIVITIES / EXPERIMENTS TO BE HELD / SPECIFIC ASSESMENT TOOLS (SUGGESTED)
APRIL/JUNE 2026	22	**UNIT II**: World of Living Topic- Life Processes Sub-Topics 1. Basic concept of Nutrition in plants and animals. 2. Basic concept of Respiration in plants and Animals.	1. Preparing a temporary mount of a leaf peel to show stomata.
		PERIODIC WRITTEN TEST- I (from 27-29 April 2026)	

JULY 2026	27	**UNIT II**: World of Living
		Topic- Life Processes
		Sub-Topics
		   3. Transportation in Plants and Animals.
		   4. Excretion in Plants and Animals.
			2. Experimentally show that carbon dioxide is given out during respiration.

AUGUST 2026	21	**UNIT II**: World of Living
		Topic- Control and Coordination.
		Sub-Topics
		   1. Tropic movements in plants.
		   2. Introduction of plant hormones.
		   3. Animal Nervous System and reflex action.
		   4. Chemical coordination (Animal Hormones).
		
		UNIT II: World of Living
		Topic- How do Organisms Reproduce?
		Sub-Topics
		   1. Asexual and Sexual Reproduction in Plants.
			3. Studying of
			(a) Binary fission in Amoeba.
			(b) Budding in Yeast with the help of prepared slides.

		PERIODIC WRITTEN TEST- II (from 10-12 August 2026)	

SEPTEMBER 2026	13	**UNIT II**: World of Living
		Topic- How do Organisms Reproduce?
		Sub-Topics
		   2. Asexual and Sexual reproduction in Animals.
		   3. Reproductive Health and Contraceptive methods.
		   4. HIV/AIDS
		   5. Child bearing and women's health.	

	TERM-I EXAMINATION (16 to 29 SEPTEMBER 2026)	

OCTOBER 2026	**25** **20** **UNIT II**: World of Living
	Topic- Heredity and Evolution.
	Sub-Topics
	    1. Heredity, Mendel's Laws for inheritance of traits.
	    2. Sex determination (brief introduction)
	
	UNIT V: Natural Resources
	Topic-Our Environment
	Sub-Topics
	    1. 1.Ecosystem
	    2. Environmental Problems, Ozone depletion.
		4. Identification of the different parts of an embryo of a dicot seed (Pea, Gram or red kidney bean).

OCTOBER / NOVEMBER 2026	**20** **UNIT V:** Natural Resources
	Topic-Our Environment
	Sub-Topics
	    2. Waste production and their solutions.
	    3. Biodegradable and non-biodegradable substances.	

	PRE-BOARD-I (21 NOVEMBER to 3 DECEMBER 2026)	
DECEMBER 2026	**REVISION** **PRE- BOARD II**	
JANUARY 2027	**REVISION**	

FEBRUARY 2027	REVISION CBSE EXAMINATION
MARCH 2027	CBSE EXAMINATION

SECTION –B   (CHEMISTRY)   25 MARKS

Chapter No.	Title of the Chapter	Weightage
UNIT I		
1.	Chemical reactions & Chemical equation	
2.	Acids, bases and salts	
3.	Metals and Non-metals	25
4.	Carbon and its compounds	

Month	No of Days	Chapter Name	Activities/Projects/ Practical Experiments To Be Held/Specific Assessment Tool(Suggested)
April/June 2026	22	**Chemical Substances-Nature and Behavior** UNIT1: **Chemical reactions & Chemical equation:** Chemical reactions , Chemical equation, Balanced chemical equation, Implication of a balanced chemical equation, types of chemical reactions: Combination, decomposition, Displacement, Double Displacement or precipitation. Endothermic. Exothermic reactions, 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 quicklime (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.
PWT I 27-29 April 2026			

July 2026	27	UNIT-2Chapter: **Acids, bases and salts** : Their definitions in terms of furnishing of H+ and OH- ions, General properties, examples and uses, neutralization, 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	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 2026	21	UNIT-3 Chapter: Metals and Non-metals: Properties of metals and non-metals; .	Finding the pH of the different samples by using pH paper / universal indicator.
PWT II 10-12 Aug 2026			

August 2026		UNIT 3 Continue… Reactivity series; Formation and properties of ionic compounds. Basic metallurgical processes; Corrosion and its prevention	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 $Al_2(SO_4)_3$ aq Arrange Zn,Fe,Cu and Al, metals in decreasing order of reactivity based on the above result
Sept 2026	12	UNIT-4: Carbon compounds: Covalent bonding in carbon compounds. Versatile nature of Carbon. Homologous series.	
Mid Term 16-29 Sept 2026			
Oct 2026	20	UNIT4: **Carbon Compounds:** Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkenes, and alkynes), difference between saturated hydrocarbons and unsaturated hydrocarbons	Study the properties of acetic acid (ethanoic acid)

		UNIT-4:**CarbonCompounds:** Chemical properties of carbon compounds (combustion, oxidation, addition, and substitution reaction). Ethanol and Ethanoic acid(only properties and uses), Soap sand Detergents.	1) Study of the comparative cleaning capacity of a sample of soap in soft and hard water.
Nov. 2026	20		
Pre Board I- 21 Nov. 2026 to 3 Dec. 2026			
Dec.2026	15	Revision of the term I & II syllabus	
Pre Board II to be decided by ROs			
Jan. 2027	14/24	Revision of the term I & II syllabus	
Feb	24	**CBSE Board Exam 2027**	

Section C   (Physics)   25 MARKS

Month	No of Days	Chapter Name	Activities/Projects/ Practical Experiments To Be Held/Specific Assessment Tool(Suggested)
April/June 2026	22	**Natural Phenomena** **Light Reflection and Refraction:** Reflection of light by curved surfaces; Images formed by spherical mirrors, Centre of curvature, Principal axis, Principal focus, Focal length, Mirror formula (Derivation not required), Magnification, Refraction laws of refraction, Refractive index, Refraction of light by spherical lens image formed by spherical lens	Determination of the focal length of: 1)Concave mirror 2)Convex lens By obtaining the image of a distant object.
PWT I 27-29 April 2026			
July 2026	27	**Natural Phenomena** **Light Reflection and Refraction:** (contd.) Lens formula (Derivation not required); Magnification. Power of a lens. **The Human Eye and the Colourful World**: 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, scattering of light, applications in daily life	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, Tracing the path of a ray of light passing through a glass prism.

		(excluding color of the sun at sunrise and sunset)	
August 2026	21	**Effects of Current Electricity:** Electric current, potential difference and electric current, ohms law, resistance, resistivity, factors on which the resistance of a conductor dispends. Series and Parallel combination of resistors and its applications in daily life. Heating effect of Electric current and its application in daily life. Electric power, Interrelation between P, V, I and R	i) Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting graph between V and I. ii) Determination of the equivalent resistance of two resistors when connected in Series and parallel.
PWT II 10-12 Aug 2026			

		Magnetic effects of Current	
Sept 2026	12	Magnetic Field, Field lines, Field due to a current carrying conductor, Field due to a current carrying coil or Solenoid.	
Mid Term 16-29 Sept 2026			
Oct 2026	20	**Magnetic effects of Current (contd.)** Force on current carrying conductor. Fleming's left hand rule. Direct current, Alternating current: Frequency of AC Advantages of AC over DC	
Nov. 2026	20	**Magnetic effects of Current (contd.)** Domestic electric circuits. & **Revision**	

Pre Board I (21 Nov. 2026 to 3 Dec. 2026)			
Dec.2026	15	**Revision** for Pre-board 2	
Pre Board II to be decided by ROs			
Jan. 2027	14/24	Revision	
Feb.2027	24	Revision **CBSE Board Exam 2027**	

NAVODAYA VIDYALAYA SAMITI

Split up of syllabus-2026-27

CLASS: X   **SUBJECT: SOCIAL SCIENCE**

UNIT NO	NAME OF THE CHAPTER / UNIT	MARKS	PERIODS
I	INDIA AND THE CONTEMPORARY WORLD-II (HISTORY)	20	60
II	CONTEMPORARY INDIA -II- (GEOGRAPHY)	20	55
III	DEMOCRATIC POLITICS-II (POLITICAL SCIENCE)	20	50
IV	UNDERSTANDING ECONOMIC DEVELOPMENT (ECONOMICS)	20	50
	TOTAL	80	215

INTERNAL ASSESSEMENT		20	05
GRAND TOTAL		100	220

CLASS: X
SOCIAL SCIENCE (087)
GUIDELINES FOR INTERNAL ASSESSMENT FOR 20 MARKS

TYPE OF ASSESSMENT	DESCRIPTION	MARKS ALLOTED
1. Periodic Assessment	Pen Paper Test	5
2. Multiple Assessment	Quiz, Debate, Role Play,Viva,Group Discussion, Visual Expression, Interactive Bulletin Boards, Gallery Works, Exit Cards, Concept Maps, Peer Assessement, Self Assessement,Etc through Inter Disciplinary Project	5
3. Subject Enrichment Activity	Project Work On Consumer Rights (Or) Social Issues (Or) Sustainable Development	5
4. Portfolio	Classwork,Workdone (Activities/Assignments)Reflections, Narrations, Journals, Etc. Achievement Of the Students in the Subject through Out the Year.	5
TOTAL		20

CBSE CLASS X SOCIAL SCIENCE SYLLABUS FOR 2026-2027

The CBSE Class 10 social science syllabus for 2026-2027 is divided into four main units—History, Geography, Political science and Economics.

Each unit carrying 20 marks for a total of 80 marks in Board exam, plus 20 marks for internal Assessment. The syllabus remains NCERT based, with no new reductions from previous years. Focusing on competency based, MCQ, V.S.A, S.A, and Long answers questions.

UNIT 1: India and contemporary world –II (HISTORY) – 20 marks

Section 1: Events and processes

1. The Rise of nationalism in Europe
2. Nationalism in India

Section 2: livelihoods, economics and societies

3. The making of the Global world (Assessed in CBSE Board from 1.1 to 1.3)

4. The age of industrialization (Not Assessed or Evaluated in the board exam)

Section 3: Everyday life, Culture and Politics.

5. Print culture and the modern world.

UNIT 2: Contemporary India-II (Geography) 20 marks

1. Resource and Development
2. Forest and Wild life Resources
3. Water Resources
4. Agriculture
5. Mineral and Energy Resources
6. Manufacturing Industries
7. Life lines of the National Economy (Only Map work is Evaluated in CBSE exam)

MONTH	NO OF DAYS	MAIN TOPIC AND SUB TOPICS TO BE COVERED	ACTIVITIES/PROJECTS/PRACTICAL EXPERIMENTS TO BE HELD/SPECIFIC ASSESSEMENT TOOL(s) (SUGGESTED)

UNIT 3: Democratic Politics-II (Political Science) 20 marks

1. Power Sharing
2. Federalism
3. Gender, Religion and Caste
4. Political parties
5. Outcomes of Democracy.

UNIT 4: Understanding Economic Development. (Economics) 20 marks

1. Development
2. Sectors of the Indian Economy
3. Money and credit

4. Globalization and the Indian Economy.
5. Consumer Rights (For Project work only) not evaluated in CBSE exam.

IMPORTANT NOTES FOR 2026-2027.

1. No major changes: - The syllabus remains consistent with previous years, with no new chapters added.

2. Deleted Topics: - The topics removed in the previous sessions

E.g.: specific sections of History or Chapters remain excluded.

3. Focus: - Emphasis on Competency based questions, Case based or source based questions, Assertion and

Reasoning questions, Map point questions and High order thinking questions (HOTS)

NAVODAYA VIDYALAYA SAMITI

CLASS X   SUBJECT: SOCIAL SCIENCE (087) 2026-27

APRIL /JUNE 2026	22 DAYS	India and the Contemporary World-**II** (HISTORY) Section 1:Events and processes: 1.The Rise of Nationalism in Europe: Contemporary India – II (Geography) 1.Resources and Development: Democratic Politics – II (political science) 1.Power sharing	• Identify and comprehended the forms in which Nationalism Developed along with formation of nation states in Europe in the past-1830 period. • Discuss the relationship between European Nationalism and Anti-colonialisms • Role of the Germany, Italy formation into Nation states and How Britain formed into U.K. • Visit the field to identify the types of soil found in your Locality and Discuss the factors responsible of formation of the soil. • Examine the Geo study of Belgium and Sri Lanka. • How Power sharing can reduce the conflicts and fulfill our expectations in real life.
PWT -I/ UT-I **DATE : 27-29 April (For All ROs except RO, Hyderabad)** **23-25 June (For RO, Hyd)**			
July-26-27	26 days	India and the contemporary world-II (History) 2.Nationalism in India Democratic Politics -II (Political science) 2.Federalism Understanding Economic development (Economics) 1.Development	• Map Activity CulcuttaNagpur,Madras,Bombay,Kheda,Champaran, Chauri-Chaura,Amritsar,Dandi,Sabarmati • Why did various classes and groups of Indians participate in the civil disobedience movement. • Visit or Invite :- Personalities associated with local administration and discuss the various forms powers entrusted with them and their execution. • Download the result "The world Development report analyze the data for further understanding of Development".

	NO OF DAYS	Main Topic and Sub Topic to Be Covered	Activities/Projects/Practical Experiments to Be Held/Specific Assessment Tool(S) (Suggested)
AUG.2026-27	23 Days	Understanding Economic Development (Economics) 2. Sectors of the Indian Economy 3. Money and Credit Livelihoods, Economics and Societies(History) 3.The making of the Global World Subtopics:-1.1to1.3(premodern world to conquest diseases and trade) Contemporary India-II (Geography) 2.Forest and Wildlife 3.Water Resources 4.Agriculture	• .conduct a survey on workers under different sectors in your locality for better understanding of their conditions. • Find a SHG in your locality and talk to them to know about their members and its functioning. • Interdisciplinary project as part of multiple assessments. • Subtopics2 to 4G – The Nineteenth Century (1815-1914) to end of Bretton Woods & the beginning of "Globalisation" • List out of the forest and wildlife resources in your region and classify them under various types discussed in the chapter. • Make a list of Inter-state Water disputes • Visit and appraise a nearby center practicing or having a structure of rain water harvesting. • Make a list of Multi-purpose dams in India. • Make a list of (or table) of Agricultural crops produced in India and Present as a chart.
		Periodic Written Test- II / UT –II (10-12 Aug. – 2026)	
SEP-2026	15DAYS	Unit 2: Contemporary India -II (Geography) 5.Mineral and Energy Resources Unit 3: Democratic politics (political science) 4.Gender,Religion and Caste (excluding image on page 46,48,49 of NCERT Textbook 2021 edition) 6.Political Parties	• (Group activity) Analyse Annual Energy Consumption in your Vidyalaya and suggest measures for conservation. • Debate on Gender equality • Debate on slogan "Energy saved is energy produced" • " Elections are all about caste based" Analyse • Enhance their communication skills by debating on caste system. • Conduct survey of Regional parties in your Locality and what works they are doing.
		• **MID TERM EXAMS (16 SEP-29 SEP)**	

MONTH	NO OF DAYS	Main Topic and Sub-Topics To Be Covered	ACTIVITIES/PROJECTS/PRACTICAL EXPERIMENTS TO BE HELD/SPECIFIC ASSESSEMENT TOOL(S) (SUGGESTED)
OCT-2026	18 DAYS	India and the contemporary world-II(History) 4.The age of industrialization (To be assessed as part of Periodic Assessment only) Contemporary India-II 6.Manufacturing Industries Economic Development 4.Globalisation and the Indian economy	• Select any one industry in your region and find its history. How has technology changed? Where do workers come from? How are the products advertised and marketed? • Try and talk to the employers and some workers to get their about industry's history. • Industries map pointing • Take some branded products that we use every day. Check which of these are produced by MNCs. • Interdisciplinary as a part of multiple assessment (Internally assessed for 5 marks) • Production across the countries • MNCs role in foreign trade in foreign investment (Group discussion).
NOV-2026	16 DAYS	Everyday life, culture and politics: 5.Print culture and the modern world Contemporary India-II 7.Lifelines of National Economy (Only map pointing to be evaluated in the Board Examination) Democratic politics –II 5.Outcomes of Democracy	• Imagine that you are Marco Polo. Write a letter from china to describe the world of Print which you have seen there. (OR) • You are a book seller advertising the availability of new cheap printed books. Design a poster for your shop window. • Major sea ports-Kandla,Mumbai,MormaGao,New Mangalore,Kochi,Tuticorin,Chennai,Vishakapatnam,Paradip,Haldia • Interpretation of various cartoons given in the textbook under the chapter and write a commentary.
		PRE-BOARD-I	21 NOVEMBER – 03 DECEMBER 2026
		DECEMBER 2026	REVISION FOR PRE-BOARD-II (REGIONAL OFFICE MAY DECIDE THE DATES)

		JANUARY 2027	REVISION
		FEBRUARY/MARCH 2027	15 FEBRUARY 2027 ONWARDS (as per CBSE schedule)

NAVODAYA VIDYALAYA SAMITI

Class: X   **Subject: COMPUTER**

Unit No.	Name of the Chapter/Unit	Marks
1	Networking	15
2	HTML	25
3	Cyber Ethics	10
4	Practical	50
	Total Marks	**100**

Month	No. of Days	Weightage Marks for Unit	Main Topic and Sub-Topics to be Covered	Details of Activity/ Practical/ Projects
April-26/June-26	22	15	**Unit 1: Networking:** • Internet: World Wide Web, web servers, web clients, web sites, web pages, web browsers, blogs, news groups, HTML, web address, e-mail address, downloading and uploading files from a remote site. • Internet protocols: TCP/IP, SMTP, POP3, HTTP, HTTPS. Remote login and file transfer protocols: SSH, SFTP, FTP, SCP, TELNET, SMTP, TCP/IP.	Exploring different web services on internet Creating email and sending receiving emails using Gmail or other email services. Create a webpage by using various backgrounds and background colours.
UT-I : 27-29 April 2026 [For all RO except RO, Hyd.] 23-25 June 2026 [For RO Hyd.]				

Month	No. of Days	Weightage Marks for Unit	Main Topics and sub Topics to be Covered	Details of Activity/Practical/Projects
July 2026	27	25	Unit-1 Cont… **Services available on the internet:** • Information retrieval • Locating sites using search engines and finding people on the internet. **Web Services :** • Chat, email, VC, E-learning, e-shoping, e-Governance, Social networking. **Mobile Technology :** • SMS, MMS, 3G, 4G, 5G • SIM, GSM • Google Map	Hands on practice for all kinds of web services and demonstration of all kinds of educational websites.
Aug-26	21	25	**Unit-2: HTML** • Introduction • Create a web page • Accessing web page through web browser • Tags • Paragraph • Attributes • Link • List • Vlink, Alink	Create a HTML pages using all kind of tags and attributes.
UT II: 10-12 August 2026				
Sept-26	12		**UNIT-2 Cont…** • Font Color • Insert Image • HTML Forms • Embed Audio & Video • CSS- Concept	Create CSS and HTML pages with Audio and Video and practice to access these pages through web browsers.

TERM I: 16-29 September 2026				
Oct-26/ Nov-26	20		**UNIT-2 Cont…** • Creating Tables • Significance of linking anchor element • CSS- Color, border-style, align, float.	Create CSS and HTML pages with Audio and Video and practice to access these pages through web browsers.
		10	**UNIT-3 Cyber Ethics** • Netiquettes • Software licenses and the open source • Intellectual property • Plagiarism • Digital Property rights • E-Commerce: Privacy, Graud, Secure data transmission	Visit cyber awareness websites, hands on exercise for live demonstration of netiquettes.
100% Syllabus has to be completed by 15 Nov, 2026 **PRE BOARDs-I [21 Nov-03 Dec-26]**				
Dec-26	**Revision, Project work and Practice for Pre Board-II*** **[*RO may decide the dates for PB-II]**			
JAN-27/ FEB-27	ASSESSMENT OF LISTENING & SPEAKING (ALS), REVISION OF LESSONS, REMEDIAL TEACHING, STRATEGIES FOR IMPROVEMENT OF CLASS AVERAGE**.**			
FEB 27/ March-27	BOARD EXAM as per schedule provided by CBSE			

Breakup of marks for the practicals:

S. No.	Unit Name	Marks
1.	Lab Test (20 marks)	
	HTML (design one web page based on a diagram)	20
2.	Report File + viva (20 marks)	
	Report file: At least 10 HTML pages	15
	Viva voce (based on the report file)	5
3.	Project (that uses most of the concepts that have been learnt) (10 marks)	
	Total (50 marks)	

नवोदय विद्यालय समिति

हिंदी आधार   **विषय कोड 302**

कक्षा-11 सत्र 2026-27

परीक्षा हेतु पाठयक्रम विनिर्देशन

- प्रश्न तीन खंडो – खंड क ,ख ग में होगा
- खंड क में अपठित बोध पर आधारित प्रश्न पूछे जायेंगे सभी प्रश्नों के उत्तर देने होंगे.
- खंड ख में अभिव्यक्ति और माध्यम पाठ्यपुस्तक के आधार पर प्रश्न पूछे जायेंगे
- प्रश्नों में आन्तरिक विकल्प दिए जायेंगें
- खंड–ग में आरोह भाग-1 एवं वितान भाग-1 के आधार पर प्रश्न पूछें जायेंगे
- प्रश्नों में आन्तरिक विकल्प दिए जायेंगें

भारांक-80 अंक   निर्धारित समय- 3 घंटे

इकाई संख्या	इकाई/ पाठ का नाम	उप भारांक	भारांक
	खंड –क अपठित गद्यांश और पद्यांश		
1.	अपठित गद्यांश (लगभग 250 शब्दों का) बहुविकल्पीय प्रश्न- 01अंक X 03 प्रश्न अति लघुत्तरात्मक प्रश्न 01अंक X 01 प्रश्न लघुत्तरात्मक प्रश्न 02 अंक X 03 प्रश्न	10 अंक	18 अंक
2.	अपठित गद्यांश (लगभग 100 शब्दों का) बहुविकल्पीय प्रश्न- 01अंक X 03 प्रश्न अति लघुत्तरात्मक प्रश्न 01अंक X 01 प्रश्न लघुत्तरात्मक प्रश्न 02 अंक X 02 प्रश्न	08 अंक	
	खंड-ख (अभिव्यक्ति और माध्यम पाठ्य पुस्तक के आधार पर)		
	- पाठ- 1. जनसंचार माध्यम 2.पत्रकारिता के विविध आयाम 9.डायरी लेखन की कला 10.कथा–पटकथा 14. कार्यालयी लेखन और प्रक्रिया 15.स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र 16.कोश – एक परिचय		
3.	दिए गए अप्रत्याशित विषयों में से किसी एक विषय पर आधारित 120 शब्दों में रचनात्मक लेखन (06 अंक X 01 प्रश्न)	06 अंक	22 अंक
4		05 अंक	
5	पत्र लेखन पाठ संख्या 1, 2, 9, 10, 14, 15 तथा 16 पर आधारित 02 अंक x 04 प्रश्न (लगभग 40 शब्दों में) 03 अंक x 01 प्रश्न (लगभग 60 शब्दों में)	08 अंक 03 अंक	

		खंड-ग (आरोह भाग-01 एवं वितान भाग-01 पाठ्यपुस्तकों के आधार पर)		
6		पठित काव्यांश पर आधारित 05 बहुविकल्पीय प्रश्न (01अंक x 05 प्रश्न)	5 अंक	15 अंक
	6.	काव्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (03 अंक x 02 प्रश्न)	6 अंक	
	7.	काव्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (02 अंक x 02 प्रश्न) पठित काव्यांश पर आधारित 05 बहुविकल्पीय प्रश्न (01अंक x 05 प्रश्न)	4 अंक	
	8.	गद्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (03 अंक x 02 प्रश्न)	5 अंक	
	9.	गद्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (02 अंक x 02 प्रश्न)	6 अंक	15 अंक
	10	वितान के पाठों पर आधारित 03 में से 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (05 अंक x 02 प्रश्न) श्रवण तथा वाचन कौशल	4 अंक 10 अंक	
	11.			10 अंक
	12.		10 अंक	
	13.	परियोजना कार्य	10 अंक	
कुल अंक				100

निर्धारित पुस्तकें
1. आरोह भाग -1 एन. सी. ई. आर. टी. नई दिल्ली
2. वितान भाग -1 एन. सी. ई. आर. टी. नई दिल्ली
3. अभिव्यक्ति और माध्यम -एन. सी. ई. आर. टी. नई दिल्ली

पाठ्यपुस्तक के निम्नलिखित पाठ डिलीट कर दिए हैं.

आरोह भाग -1		
	काव्य खंड	• कबीर – संतो देखि जग बौराना
		• मीरा – पग घुंघरू बाँध मीरा नाची
		• राम नरेश त्रिपाठी – पथिक
		• सुमित्रानंदन पंत – वे आँखें

नोट हिंदी आधार(302) कक्षा 11 का विस्तृत प्रारूप जानने हेतु सत्र 2026-27 के लिए सी. बी. एस. ई. द्वारा जारी किये गए प्रतिदर्श प्रश्नपत्र का अवलोकन करें.

नवोदय विद्यालय समिति

पाठ्यक्रम विभाजन – सत्र-2026-27

कक्षा-11   विषय-हिन्दी (आधार - 302)

माह	क्रि...	पाठ –उप - पाठ का नाम			
		आरोह भाग-2	वितान भाग – 2	अभिव्यक्ति एवं माध्यम/रचनात्मक लेखन	क्रिया-कलाप/ परियोजना कार्य
अप्रैल/जून 2026	22	गद्य खंड नमक का दारोगा- प्रेमचंद पद्य खंड हम तो एक एक कर जाना – कबीर	भारतीय गायिकाओं मे बीजोड़ लता मंगेशकर-कुमार गंधर्व	अपठित गद्यांश अपठित पद्यांश	अन्य संत कवियों के ईश्वर संबंधी विचारों पर चर्चा
		इकाई परीक्षा-I (27 अप्रेल - 29 अप्रेल 2026)			
मई – जुलाई 2026	27	गद्य खंड मियाँ नसीरुद्दीन- कृष्णा सोबती अपू के साथ ढाई साल – सत्यजित राय पद्य खंड मेरे तो गिरधर गोपाल दूसरो न कोई – मीराबाई	भारतीय गायिकाओं मे बीजोड़ लता मंगेशकर-कुमार गंधर्व	1. जनसंचार माध्यम/ 2.औपचारिक पत्र लेखन	संगीत शिक्षक से चर्चा कर चित्रपट संगीत एवं शास्त्रीय संगीत में अंतर सूचीबद्ध करना

अगस्त 2026	21	गद्य खंड विदाई संभाषण - बालमुकुंद गुप्त पद्य खंड घर की याद – भवानी प्रसाद मिश्र	राजस्थान की रजत बूंदें – अनुपम मिश्र	पत्रकारिता के विविध आयाम	अंग्रेजी शासन के दौरान भारतीयों पर हुए अत्याचारों परिचर्चा
		इकाई परीक्षा-2 (10 -12 अगस्त - 2026)			
सितम्बर 2026	12	पुनरावृत्ति पद्य खंड चम्पा काले काले अच्छर नहीं चीह्नती - त्रिलोचन	राजस्थान की रजत बूंदें – अनुपम मिश्र	1. कथा – पटकथा 2. डायरी लेखन	प्रकृति को संदेश वाहक रूप के रूप में व्यक्त करने वाली कुछ कविताओं का संकलन
		सत्रांत परीक्षा 1 (16 सितम्बर - 29 सितम्बर 2026)			

| अक्टूबर 2026
नवंबर 2026 | 20 | गद्य खंड
गलता लोहा – शेखर जोशी
रजनी – मन्नू भण्डारी

पद्य खंड
ग़ज़ल – दुष्यंत कुमार | आलो आंधारी-
बेबी हालदार
आलो – आंधारी
(बेबी हालदार) | कार्यालयी लेखन और प्रक्रिया
स्ववृत्त(बयोडाटा) लेखन | कार्यालयी लेखन और प्रक्रिया में प्रयोग होने वाले प्रपत्रों की जानकारी प्राप्त करना
आज़ादी के आंदोलन में प्रयुक्त एवं प्रचलित नारों का संकलन करना |

दिसंबर-2026	15	पुनरावृत्ति गद्य खंड जामुन का पेड़ (कृश्नचंदर)	आलो – आंधारी (बेबी हालदार)	रोजगार साबंधी आवेदन पत्र	बीसवीं सदी के प्रसिद्ध डायरी लेखन के उदाहरणों का संकलन
		तृतीय इकाई परीक्षण 3-5 दिसंबर 2026			
जनवरी-2027	14	गद्य खंड भारत माता जवाहर लाल नेहरू पद्य खंड हे भूख ! मत मचल – अक्क महादेवी हे मेरे जुही के फूल जैसे ईश्वर - अक्क महादेवी	भारतीय कलाएँ	कोश एक परिचय एवं संदर्भ ग्रन्थों की उपयोग विधि और परिचय	**पुस्तकालय में उपलब्ध विभिन्नप्रकार के शब्दकोशों की सूची बनाना**
फरवरी-2027	24	पद्य खंड सबसे खतरनाक – अवतार सिंह पाश आओ मिलकर बचाएं- निर्मला पुतुल	भारतीय कलाएँ	रचनात्मक लेखन एवं साक्षिप्त प्रश्नोत्तर	
		चतुर्थ इकाई परीक्षण (4-6 फरवरी 2027)			
मार्च - 2027		वार्षिक परीक्षा को ध्यान में रखते हुए सम्पूर्ण पाठ्यक्रम की पुनरावृत्ति वार्षिक परीक्षा (15 मार्च से 27 मार्च 2027 तक)			

NAVODAYA VIDYALAYA SAMITI

CLASS:XI   SUBJECT: ENGLISH CORE (301)

Unit No	Name ofThe Chapter/unit	Marks
01	ReadingSkills	26
02	CreativeWritingSkills	23
03	LiteratureTextBook and Supplementary reading text	31
	Total	80
01	InternalAssessment 1) Listening 2) Speaking 3) Projectwork	 05 05
	GrandTotal	**100**

MONTH	NO OF DAYS	MainTopic and Sub-Topics to be Covered		Activities/Projects/Practical Experiments to be Held/Specific Assessment Tool(s) (Suggested)
		Hornbill/ Snapshots	**Reading, Grammar & Advance Writing Skills**	
APRIL 2026	22	The Summer of the Beautiful White Horse (Prose)

A Photograph (Poem)

The Portrait of a | Short Writing Task - Classified Advertisements | 1. Collecting Ads and displaying in the classrooms

2. Students may be instructed to analyse the lesson and decipher the theme of the lesson. Organise the class to form pairs. Provide the students with chits based on the content of the lesson. Give the students 10 minute sto interpret the topic and present. Summarise and share the feedback too.

3. Prepare a 'Thankyou' card for your mother /grandfather and mention one of her/ his characteristic traits that inspire you the most. |
| | | **UNIT TEST-I (As per schedule)** | | |
| JULY 2026 | 27 | We're not Afraid to Die ... if We Can All Be Together (Prose)

Discovering Tut: the saga Continues (Prose) | Short Writing Task- Poster

Unseen Passage to assess comprehension, interpretation, inference and vocabulary.

(Factual, descriptive or literary) | 1. Making posters on current topics- Cyber Security, AI etc.

2. Collecting posters and displaying in Classrooms

3. Class magazine on the life, traits, festivals, art and culture of a tribe: The students can work on the following to give a multi-cultural picture of the tribes in India as Gond, Bhil ,Khasi, Munda Angami etc. Find more about it and create an art integrated project.

4. Browse internet to get more information about the mummies of Egypt |

AUGUST 2026	21		The LaburnumTop (Poem) TheAddress (Prose)	Unseen Passage: Case –based passagewith Verbal / Visual inputs like statistical data, chart etc.	Grammar- Practice of Questionson Gap filling (Tenses, Clauses)	1.PracticeofASL 2.Listening skills practice test. 3.Presentation of speeches by students both oral & written 4.Read the diary of Lena Mukhina who struggled to fight starvation and aninternalbattle of isolation. 5.CollectquotesandpicturesofWorldwars,andthe wars going on in theworld presently.Thestudents may be asked to add morephrases indicatingideas of ensuringpeaceintheworld
		UNIT TEST–II (As per schedule)			

SEPTEMBER2026	12		TheVoiceof the Rain (Poem) Mother's	˅ Long Compositions: a.Speech Writing. b.DebateWriting. ˅ Grammar: Questionsonre- ordering / Transformationof sentences	Topics for assessment of speaking skills to be assigned to students. Fastest reading contest may be organized. Ask thes tudents to write a poem on natural phenomena. Discussion on the plays on social reforms that you have watched.
		TERMIEXAMINATION(As per schedule)			

Month					
OCTOBER 2026	25		Childhood(Poem) Birth(Prose)	Practiceon Classified Advertisement	1)Group discussion onthefollowingissues thathasprovokedcontroversiesandaffectedth e livesofpeople- ᵥCyberbullying ᵥ Uniform civilcode UCC ᵥ Genderdiscrimination etc. 2) Writea briefnoteon one of your childhood experiences (goodor bad)and presentthe sameintheclass. 3)Story– TellingCompetition
NOVEMBER 2026			TheAdventure(Prose) Revision ofwriting skills–Speech Writing, Debate writing	Transformationof sentence.	Topicson speech writing– 1. ArtificialIntelligence 2. Women Empowerment 3. UseofSocialMedia Topics ofDebate Writing may also be discussed.
DECEMBER 2026			SilkRoad(Prose) Revision ProjectWork	Comprehension of Unseen Passages (Revision) Preparation for the	ᵥ Thedocumentary filmontheMount Kailash maybeshown andmaybeaskedtowriteabrief noteonit. ᵥ Thestudents maybeasked towrite abouta journeythattheyhaveundertaken.
			UNIT TESTIII (As per schedule)		

JANUARY 2027	12		Father to Son(Poem)	Note Making and Summarization (Revision)	✓ Conversation Cards/Abbreviation flash cards can be used to teach classified ads. Students to create their own ads based on advertising technique they have learnt. ✓ Organise the Story–Telling Competition ✓ Create a dialogue between father and son on generation gap (dialogue may be Written by students)
FEBRUARY 2027	24		The Tale of Melon City	Revision of unseen comprehension passage	Submission of Project. ASL to be conducted. Revision of syllabus
		\UNIT TEST IV (As per schedule)			
MARCH 2027	REVISION TERM -II EXAMINATION (15 to 27 MARCH 2027)				

NAVODAYA VIDYALAYA SAMITI

SPLIT UP OF SYLLABUS FOR ACADEMIC YEAR 2026-27

CLASS: XI   **SUBJECT: MATHEMATICS (041)**

Unit No.	Name of The Chapter / Unit	Periods	Marks
I	**Sets and Functions**	**60**	**23**
II	**Algebra**	**50**	**25**
III	**Coordinate Geometry**	**50**	**12**
IV	**Calculus**	**40**	**08**
V	**Statistics and Probability**	**40**	**12**
	Total	**240**	**80**
	Internal Assessment (20 Marks) **A. Unit Test(Best 2 out of 3 tests Conducted) (10 Marks)** **B. Mathematics Activities (10Marks)** **1. The activities performed by the students throughout the year end record keeping (05 Marks)** **2. Assessment of the activity performed during the year end test (03 Marks)** **3. Viva-voce (02 Marks)**		**20**
	Grand Total		**100**

MONTH	NO OF DAYS	NO OF PERIODS	Main Topic and Sub-Topics to be Covered Activities	Activities /Projects/ Practical Experiments to be Held/ Specific Assessment Tool(s) (Suggested)	REMARKS
APRIL/JUNE 2026	24	20 10	**Unit -I : Sets, Relations and Functions** **Sets :** Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Properties of Union and Properties of Intersection. Difference of sets. Complement of a set. Properties of Complement sets. **Relations and Functions :** Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto R x R x R).Definition of relation, pictorial diagrams, domain, co-domain and range of a relation.	**Activity 1:** To find the number of subsets of a given set and verify that if a set has 'n' elements then total number of subsets is 2^n	UNIT TEST I (27-29 April, 2026 (For all ROs except RO, Hyd), 23-25 June, 2026 (For RO Hyderabad)
JULY 2026	27	10 20	**Relations and Functions (continued………………)** Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions. **Trigonometric functions:-** Positive and negative angles. Measuring angles in radians and 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 & cos y and their simple applications. Deducing identities like the following:	**Activity2:** To plot the graphs of sinx, sin 2x, 2sinx and $\sin\frac{x}{2}$ Using the same coordinate axis	
			$$\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$$ $$\cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$$ $$\sin x \pm \sin y = 2\sin\frac{x \pm y}{2}\cos\frac{x \mp y}{2}$$ $$\cos x + \cos y = 2\cos\frac{x + y}{2}\cos\frac{x - y}{2}$$ $$\cos x - \cos y = 2\sin\frac{x + y}{2}\sin\frac{x - y}{2}$$	**Activity 3 :**	

		06	Identities related to sin2x, cos2x, tan2x, sin3x, cos3x and tan3x etc**.,** **Unit–II: Algebra** **Complex numbers and Quadratic equations** Need for complex numbers, especially$\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane The Modulus and the Conjugate of a Complex Number, Polar Representation of Complex Number, Solution of Quadratic Equation.	To find analytically $$\lim_{x \to c} f(x) = \frac{x^2 - c^2}{x - c}$$	
AUGUST 2026	24	12 12 10	**Permutations and Combinations:-** 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. **Linear inequalities**:- Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line**.** **Binomial Theorem:-** Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.	**Activity 4:** To find the number of ways in which three cards can be selected from given five cards **Activity 5 :** To construct a Pascal triangle and to write binomial expansion for a given positive integral.	**UNIT TEST II (10-12 Aug 2026)**
SEPTEMBER 2026	12	10 15	**Sequences and Series:-** Sequence and Series. Arithmetic Mean (A.M.), Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. **UNIT III: COORDINATE GEOMETRY** **Straight lines:-** Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form, Distance of a point from a line. Transformation from general equation of a line to different forms of a line.	**Activity 6:** To demonstrate that the arithmetic mean of two different positive numbers is always greater than the geometric mean. **Activity 7:** To verify that the equation of a line passing through the point of intersection of two lines $a_1x+b_1y+c_1=0$ and $a_2x+b_2y+c_2 =0$ is of the form $(a_1x+b_1y+c_1) +\lambda(a_2x+b_2y+c_2)=0$	
			TERM I EXAMINATION **(16-29 SEPT 2026)**		

Month			Topic	Activity	
OCTOBER TO NOVEMBER 2026	20 to 30 days based on vacation	25	**Conic Sections**:- Sections of a cone: Circles, ellipse, parabola and hyperbola. A point, a straight line and a pair of intersecting lines as a degenerated case of conic section. Standard equation of a circle**.** Standard equations and simple properties of parabola, ellipse and hyperbola.	**Activity 8 :** To construct different types of conic sections	
		10	**Introduction to 3D geometry:-** Coordinate axes and Coordinate planes in three dimensions. Coordinates of a point. Distance between two points	**Activity 9:** To explain the concept of octants by 3 mutually perpendicular planes in space	
		12	**Unit – IV: Calculus:-** **Limits And Derivatives** Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit.		
DECEMBER 2026	20	28	**Limits And Derivatives (Continued…………….):-** Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative relates it to scope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric function.		
			UNIT TEST –III (3-5 Dec. 2026)		
JANUARY 2027	12	20	**Unit- V: Statistics and Probability Statistics:-** Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/ grouped data.		
FEBRUARY 2027	24	20	**Probability:-** Events: occurrence of events, 'not', 'and' and 'or' events. Exhaustive events, mutually exclusive events. Axiomatic approach to probability. Probability of an event. addition formula and probability of complement of an event	**Activity 10:** To write the sample space when coin is tossed one time, two times, three times and four times.	**UNIT TEST-IV (4-6 Feb. 2027) Except JNV Leh, Kargil, Shimla Kullu, Lahul –Spiti- Ro Chandigarh)**
			REVISION		
			REVISION **TERM II EXAMINATION** **(15-27 MARCH 2027)**		

Prescribed Books:
1) Mathematics Textbook for Class XI, NCERT Publication

2) Mathematics Exemplar Problem for Class XI, Published by NCERT
3) Mathematics Lab Manual class XI, published by NCERT
http://www.ncert.nic.in/exemplar/labmanuals.html

Note:

The activities listed above are suggestive only. Teachers are advised to refer the Lab Manual for class XI, published by CBSE. Throughout the year any 10 activities shall be performed by the student from the activities given in the Lab Manual.

NAVODAYA VIDYALAYA SAMITI

Split up of Syllabus

Class: XI   **Subject:** PHYSICS (042)

Unit No	Name of the Chapter/ Unit	Marks
Unit–I	**Physical World and Measurement**	
	Chapter–1: Units and Measurements	
Unit-II	**Kinematics**	
	Chapter–2: Motion in a Straight Line	23
	Chapter–3: Motion in a Plane	
Unit–III	**Laws of Motion**	
	Chapter–4: Laws of Motion	
Unit–IV	**Work, Energy and Power**	
	Chapter–5: Work, Energy and Power	
Unit–V	**Motion of System of Particles and Rigid Body**	
	Chapter–6: System of Particles and Rotational Motion	17
Unit-VI	**Gravitation**	
	Chapter–7: Gravitation	
Unit–VII	**Properties of Bulk Matter**	
	Chapter–8: Mechanical Properties of Solids	
	Chapter–9: Mechanical Properties of Fluids	
	Chapter–10: Thermal Properties of Matter	
Unit–VIII	**Thermodynamics**	20
	Chapter–11: Thermodynamics	
Unit–IX	**Behavior of Perfect Gases and Kinetic Theory of Gases**	
	Chapter–12: Kinetic Theory	
Unit–X	**Oscillations and Waves**	
	Chapter–13: Oscillations	10
	Chapter–14: Waves	
Total		**70**

MONTH	NO. OF DAYS	Units/Subunits/ Topics/Chapters to be Covered	Details of Activity/Practical/ Projects to be given	Unit Tests / Assignment
APRIL/ JUNE 2026	22	**Units and Measurements:** Need for measurement, systems of units; SI units, fundamental and derived units. Mathematical tools-basic concepts of algebra, trigonometry, calculus for understanding concepts in Physics. Significant figures. Dimensions of physical quantities, dimensional analysis and its applications. **Motion in a Straight Line:** Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, average speed and average velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment).	**Experiments: 1** (Measure the diameter of a small spherical/cylindrical body and to calculate its volume using Vernier calipers) **Activity:1** (Make a paper scale of given least count 0.2cm, 0.5 cm)	**UNIT TEST-1 27-29 April, 2026**
JULY 2026	27	**Motion in a Plane:** 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, 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. **Laws of Motion** 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.	**Activity:2** (By the principle of moments, find out the mass of a given body)	

AUGUST 2026	21	Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road). **Work, Energy and Power:** 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: non-conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two Dimensions **System of Particles and Rotational Motion:** 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.	**Experiments: 2&3** 2. Measure the diameter of a given wire and thickness of a given sheet using Screw gauge 3. Using simple pendulum plot L-T2 graph and use it to find out the effective length of Second's pendulum **Activity: 3** (3.Study the variation in range of a projectile with angle of projection.	**UNIT TEST-II** 10-12 August, 2026
SEPTEMBER 2026	12	Moment of a force, torque, angular momentum, law 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).	**Experiments: 4&5** 4. To find out the weight of a given body using parallelogram law of vectors 5. Find the force constant of a helical spring by plotting a graph between load and extension **Activity: 4** Observe change of state and plot a cooling curve for molten wax	
OCTOBER 2026	20	Gravitation: 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, energy of an orbiting Satellite.	**Experiment: 6 & 7** (6 Determine the surface tension of liquid by capillary rise method 7. Study the relation between frequency and length of a given wire under constant tension using sonometer **Activities: 5** (5. Study the factors affecting the rate of loss of heat of a liquid)	

NOVEMBER 2026	20	**Mechanical Properties of Solids:** Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy. Application of elastic behavior of materials (qualitative idea only). **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 simple applications. (Torricelli's law and Dynamic lift) 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.	**Experiment: 8** Find the speed of sound in air at room temperature using a resonance tube at two resonance positions **Activity 6** Study the effect of load on depression of a suitably clamped meter scale loaded at its 1) ends 2) Its middle	
DECEMBER 2026	15	**Thermal Properties of Matter:** Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity. **Thermal Properties of Matter:** Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law. **Thermodynamics:** Thermal equilibrium and definition of temperature zeroth law of thermodynamics, heat, work, and internal energy. First law of thermodynamics, Second law of thermodynamics: Thermodynamic state variable and equation of state, change of condition of gaseous state - isothermal, adiabatic, reversible, irreversible, and cyclic processes.	**Project: 1** From the list provided by CBSE Completion of left over practical	UNIT TEST-III 03-05 December, 2026

JANUARY 2027	14/24	**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. **Oscillations:** Periodic motion - time period, frequency, displacement as a function of time, periodic functions, and their application. Simple Harmonic Motion (SHM) Uniform circular motion and its equation of motion; phase; oscillation of a loaded spring – restoring force and force constant; energy in SHM Kinetic and potential energies; Simple pendulum derivation of expression for its time period.	Completion of left over practicals, Activities & project.	
FEBRUARY 2027	24	**Wave Motion**: Transverse and longitudinal waves, speed of travelling wave, 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. Revision		**UNIT TEST-IV 04-06 February, 2027**
MARCH 2027		PRACTICAL EXAM, REVISION & TERM-II		

PRACTICALS

The record, to be submitted by the students, at the time of their annual examination, has to include: Record of at least 8 Experiments [with 4 from each section], to be performed by the students.

Record of at least 6 Activities [with 3 each from section A and section B], to be performed by the students, Report of the project carried out by the students

EVALUATION SCHEME

Time 3 hours   **MAX.MARKS**: 30

Two experiments one from each section	7+7 Marks
Practical record [experiments and activities]	5 Marks
One activity from any section	3 Marks
Investigatory Project	3 Marks
Viva on experiments, activities and project	5 Marks
Total	30 Marks

SECTION–A

Experiments:

1. 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.
2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.
3. To determine volume of an irregular lamina using screw gauge.
4. To determine radius of curvature of a given spherical surface by a spherometer.
5. To determine the mass of two different objects using a beam balance.
6. To find the weight of a given body using parallelogram law of vectors.
7. Using a simple pendulum, plot its L-T2 graph and use it to find the effective length of second's pendulum.
8. 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.
9. 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.
10. 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 θ.

Activities

1. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.
2. To determine mass of a given body using a metre scale by principle of moments.
3. To plot a graph for a given set of data, with proper choice of scales and error bars.
4. To measure the force of limiting friction for rolling of a roller on a horizontal plane.
5. To study the variation in range of a projectile with angle of projection.
6. To study the conservation of energy of a ball rolling down on an inclined plane (using a double inclined plane).
7. To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.

Experiments
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 by two resonance positions.

Activities
1. To observe change of state and plot a cooling curve for molten wax.
2. To observe and explain the effect of heating on a bi-metallic strip.
3. To note the change in level of liquid in a container on heating and interpret the observations.
4. To study the effect of detergent on surface tension of water by observing capillary rise.
5. To study the factors affecting the rate of loss of heat of a liquid.
6. To study the effect of load on depression of a suitably clamped metre scale loaded at (i) its end (ii) in the middle.
7. To observe the decrease in pressure with increase in velocity of a fluid.

Practical Examination for Visually Impaired Students Class XI
Note: Same Evaluation scheme and general guidelines for visually
impaired students as given for Class XII may be followed

- Items for Identification/ familiarity with the apparatus for assessment in practical
(All experiments)

  Spherical ball, Cylindrical objects, vernier calipers, beaker, calorimeter, Screw gauge, wire, Beam balance, spring balance, weight box, gram and milligram weights, forceps, Parallelogram law of vectors apparatus, pulleys and pans used in the same _weights' used, Bob and string used in a simple pendulum, meter scale, split cork, suspension arrangement, stop clock/stop watch, Helical spring, suspension arrangement used, weights, arrangement used for measuring extension, Sonometer, Wedges, pan and pulley used in it, _weights' Tuning Fork, Meter scale, Beam balance, Weight box, gram and milligram weights, forceps, Resonance Tube, Tuning Fork, Meter scale, Flask/Beaker used for adding water.

- List of Practicals:

1. To measure diameter of a small spherical/cylindrical body using vernier calipers.
2. To measure the internal diameter and depth of a given beaker/calorimeter using vernier calipers and hence find its volume.
3. To measure diameter of given wire using screw gauge.
4. To measure thickness of a given sheet using screw gauge.
5. To determine the mass of a given object using a beam balance.
6. To find the weight of given body using the parallelogram law of vectors.
7. Using a simple pendulum plot L-T and graphs. Hence find the effective length of second's pendulum using appropriate length values.
8. To find the force constant of given helical spring by plotting a graph between load and extension.
9. (i) To study the relation between frequency and length of a given wire under constant tension using a sonometer. (ii) To study the relation between the length of a given wire and tension, for constant frequency, using a sonometer.
10. To find the speed of sound in air, at room temperature, using a resonance tube, by observing the two resonance positions.

Note: The above practical's may be carried out in an experiential manner rather than recording observations.

NAVODAYA VIDYALAYA SAMITI

Split up of Syllabus

Class: XI   Subject: CHEMISTRY (43)

Unit No	Name of The Chapter/Unit	Marks
1	Some Basic Concepts of Chemistry	7
2	Structure of Atom	9
3	Classification of Elements and Periodicity in Properties	6
4	Chemical Bonding and Molecular Structure	7
5	Chemical Thermodynamics	9
6	Equilibrium	7
7	Redox Reactions	4
8	Organic Chemistry: Some basic Principles and Techniques	11
9	Hydrocarbons	10
	TOTAL	**70**

PRACTICALS

	Evaluation Scheme	Marks
1.	Volumetric Analysis	08 Marks
2.	Salt Analysis	08 Marks
3.	Content based experiment	06 Marks
4.	Record + Viva	04 Marks
5.	Project + Viva	04 Marks
	Total	30 Marks

MONTH	No. of Days	Main Topic and Sub-Topics to be Covered	Activities/Projects/ Practical Experiments to Held/ Specific Assessment Tool(s)
APRIL/JUNE 2026	22	**Unit 1: Some Basic Concepts of Chemistry** General Introduction: Importance and scope of Chemistry. 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. *UNIT TEST-I* *(27 to 29 APRIL 2026)*	**A. Basic Laboratory Techniques** 1. Cutting glass tube and glass rod 2. Bending a glass tube 3. Drawing out a glass jet 4. Boring a cork
JULY 2026	27	**Unit 2: Structure of Atom** Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, 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, shapes 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. **Unit 3: Classification of Elements and Periodicity in Properties.** 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, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency, Nomenclature of elements with atomic number greater than 100.	**B. Characterization and Purification of Chemical Substances** 1. Determination of melting point of an organic compound. 2. Determination of boiling point of an organic compound. 3. Crystallization of impure sample of any one of the following: Alum, Copper Sulphate, Benzoic Acid.

AUGUST 2026	21	*UNIT TEST- II* *(10 to 12 August 2026)* **Unit 4: Chemical Bonding and Molecular Structure** 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 orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), Hydrogen bond. **Unit 5: Chemical Thermodynamics** Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics –internal energy and enthalpy, heat capacity and specific heat, measurement of ΔU and ΔH, Hess's law of constant heat summation,	**C. Experiments based on pH** **1.** Any one of the following experiments: →Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator. →Comparing the pH of solutions of strong and weak acids of same concentration. →Study the pH change in the titration of a strong base using a universal indicator.
SEPTEMBER 2026	12	**Chemical Thermodynamics continue..** enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction), Introduction of entropy as a state function, Gibb's energy change for spontaneous and non- spontaneous processes, criteria for equilibrium, Third law of thermodynamics (brief introduction). *TERM I EXAMINATION* *(16 to 29 SEPTEMBER 2026)*	**2.** Study the pH change by common-ion in case of weak acids and weak bases.

OCTOBER 2026	**20**	**Unit 6: Equilibrium** 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, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea), buffer solution, Henderson Equation, solubility product, common ion effect (with illustrative examples).	**D. Chemical Equilibrium** Any one of the following experiments: →Study the shift in equilibrium between ferric ions and thiocyanate ions / $[Co(H_2O)6]2+$ and chloride ions by changing the concentration of either of the ions.
NOVEMBER 2026	**20**	**Unit 7: Redox Reactions** Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions. **Unit 8: Organic Chemistry – Some Basic Principles and Techniques** General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds.	
DECEMBER 2026	**15**	*UNIT TEST III* *(3 to 5 DECEMBER 2026)* **Continue with unit 8….** Electronic displacements in a covalent bond: inductive effect, electrometric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.	**E. Quantitative Estimation** **1.** Using a mechanical balance/electronic balance. **2.** Preparation of standard solution of Oxalic acid and Sodium carbonate. **3.** Determination of strength of a given solution of - **A.** Sodium hydroxide by titrating it against standard solution of Oxalic acid. And **B.** hydrochloric acid by titrating it against standard Sodium Carbonate solution.

JANUARY 2027	**14/24**	**Unit 9: Hydrocarbons** **Aliphatic 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 (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition. **Alkynes -** Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water.	**F. Qualitative Analysis** **1.** Determination of one anion and one cation in a given salt **Cations:** $Pb^{2+}, Cu^{2+}, Al^{3+}, Fe^{3+}, Mn^{2+}, Ni^{2+}, Zn^{2+}, Co^{2+}, Ca^{2+}, Sr^{2+}, Ba^{2+}, Mg^{2+}, NH^{4+}$ **Anions:** $CO_3{}^{2-}, SO_3{}^{2-}, NO_3{}^{-}, NO_2{}^{-}, Cl^{-}, Br^{-}, I^{-}, SO_4{}^{2-}, PO_4{}^{3-}, CH_3COO^{-}$ (Note: Insoluble salts excluded)
FEBRUARY 2027	**24**	*UNIT TEST IV* *(4 to 6 FEBRUARY 2027)* **Unit 9 continue….** **Aromatic Hydrocarbons** Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in mono substituted benzene, carcinogenicity and toxicity. *REVISION AND PRACTICAL EXAMINATION*	**2.** Detection of -Nitrogen, Sulphur, Chlorine in organic compounds.
TERM II EXAMINATION(MARCH 2027)			

PROJECTS

Scientific investigations involving laboratory testing and collecting information from other sources.
A few suggested Projects
a) Checking the bacterial contamination in drinking water by testing sulphide ion

b) Study of the methods of purification of water

c) Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).

d) Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it.

e) Study the acidity of different samples of tea leaves.

f) Determination of the rate of evaporation of different liquids

g) Study the effect of acids and bases on the tensile strength of fibers.

h) Study of acidity of fruit and vegetable juices. Note: Any other investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher.

Practical Examination for Visually Challenged Learners Class XI

Evaluation Scheme	Marks
Identification/ Familiarity with the apparatus	5
Written test (based on given/ prescribed practical's)	10
Practical Record	5
Viva	10
Total	**30**

General Guidelines:

• The practical examination will be of two-hour duration.

• A separate list of ten experiments is included here.

• The written examination in practicals for these students will be conducted at the time of practical examination of all other students.

• The written test will be of 30 minutes' duration.

• The question paper given to the students should be legibly typed. It should contain a total of 15 practical skill based very short answer type questions. A student would be required to answer any 10 questions.

• A writer may be allowed to such students as per CBSE examination rules.

• All questions included in the question papers should be related to the listed practicals

• Every question should require about two minutes to be answered.

• These students are also required to maintain a practical file. A student is expected to record at least five of the listed experiments as per the specific instructions for each subject. These practicals should be duly checked and signed by the internal examiner.

• The format of writing any experiment in the practical file should include aim, apparatus required, simple theory, procedure, related practical skills, precautions etc.

NAVODAYA VIDYALAYA SAMITI

SPLIT UP SYLLABUS
FOR SESSION 2026-2027
Class:XI   Subject :Biology

Unit No	Name of The Chapter/unit	Marks
I	Diversity of Living organisms	15
II	Structural organization in Plants and Animals	10
III	Cell: Structure and function	15
IV	Plant Physiology	12
V	Human Physiology	18
	Total	70
	Practical	30
	GrandTotal	100

PRACTICALS

Time allowed:Three Hour
Max.Marks:30

Evaluation scheme	Marks
One Major Experiment Part A (ExperimentNo.1,3,7,8)	5
One Minor Experiment Part A (ExperimentNo. 6,9,10,11,12,13)	4
Slide preparation Part A (ExperimentNo.2,4,5)	5
Spotting Part B	7
Practical Record+VivaVoce	4
Project Record+Viva Voce	5
Total	30
Credit to the students' work over the academic session may be given for viva voce and record.	

Month	No.of Days	Main Topic and Sub-Topics to be covered	Activities/Projects/Practical Experiments to be Held/Specific Assessment Tool(s) suggested
APRIL/JUNE 2026	22	**Unit-I** **Diversity of Living Organisms** **Chapter-1: The Living World** Biodiversity; Need for classification; three domains for life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature. **Chapter-2Biological classification** Five kingdom classification; Salient features and classification of Monera, ProtistaandFungiintomajor groups; Lichens, Viruses and Viroids. **Chapter 3: Plant Kingdom** Salient features and classification ofplants into major groups – Algae, Bryophyta, Pteridophyta, Gymnosperms and Angiosprms. **UNIT TEST 1 - 27-29 APRIL 2026 All RO'S EXCEPT 23-25 JUNE 2026 RO HYDERABAD**	**Spotting:** - Study of the parts of a compound microscope. - Study Of specimens/slides/models and identification with reasons: Bacteria, Oscillatoria, Spirogyra, Rhizopus, Mushroom, Yeast, Liverwort,Moss,Fern,Pine,One monocotyledonous plant, One dicotyledonous plant, and One lichen . Virtual specimens/slides/models identifying features of:Amoeba, Hydra,Liverfluke,Ascaris,Leech, Earthworm, Prawn, Silkworm, Honeybee, Snail, Starfish, Shark, Rohu, Frog, Lizard, Pigeon and Rabbit.
JULY2026	27	**Chapter 4: Animal Kingdom** Salient features and classification of animals;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 specimens should be displayed)	**Spotting:** - Study and identification of different types of inflorescence (cymose and racemose). **Experiment-** - Study and describe locally available common flowering plants from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted) including dissection and display of floral whorls,anther and ovary to show number of chambers (floral formula and floral

		Unit II: Structural Organization in Animals and Plants **Chapter5:Morphologyof Flowering Plants** Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae. **Chapter 6: Anatomy of Flowering Plants** Anatomy and functions of Tissue systems in dicots and monocots.	diagrams),typeofroot(tapand adventitious), type of stem (herbaceous and woody), leaf (arrangement,shape,venation, simple and compound). -PreparationandstudyofT.S.of dicot and monocot roots and stems (primary).
AUGUST2026	21	**Chapter 7: Structural Organisation in Animals** Morphology, anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog. **UNIT III CELL STRUCTURE AND FUNCTION** **Chapter 8:Cell–The Unit of Life** Cell theory and cell as the basic unit of life;Structureof prokaryotic and eukaryotic cells; Plant cell and animal cell; Cell envelope; Cell membrane, cell wall; Cell organelles – structure and function; Endomembrane system,endoplasmic reticulum, Golgi bodies, lysosomes, vacuoles; Mitochondria,ribosomes, plastids,microbodies; Cytoskeleton, cilia, flagella, centrioles(ultrastructureand function); nucleus. **Chapter 9: Biomolecules** Chemical constituents of livingcells:biomolecules; Structure and function of proteins,carbohydrates, lipids,nucleicacids;Enzymes – types, properties and enzyme action.	**Experiment3:** - Study of osmosis by potato osmometer. - Study of plasmolysis in epidermal peels(e.g.,Rhoeo/lily leaves or fleshy scale leaves of onion bulb). - Study of distribution of stomata on the upper and lower surface of leaves. **Experiment:** - Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.

		UNIT TEST - 2 (10-12 AUG 2026)	
SEPTEMBER 2026	12	**Chapte r10:Cell Cycle and Cell Division** Cell cycle,mitosis,meiosis and their significance. **TERM -1 EXAM (16-29 SEPTEMBER 2026)**	**Spotting:** -Study of mitosis in onion root tip cells and animal cells (grasshopper)from permanent slides.
OCTOBER2026	20	**Unit IV:Plant Physiology** **Chapter11:Photosynthesisin Higher Plants** Photosynthesis as a means 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. **Chapter-12:Respirationin Plants** 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.	**Experiment:** - Comparative study of the rates of transpiration in the upper and lower surface of leaves. - Separation of plant pigments through paper chromatography. Study of the rate of respiration in flower buds / leaf tissue and germinating seeds.

		Chapter-13:Plant–Growth and Development	
		Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation;sequenceof developmental processes in a plantcell;growthregulators– auxin, gibberellin, cytokinin, ethylene, ABA.	
NOVEMBER 2026	20	**Unit–V Human Physiology Chapter-14:Breathing and Exchange of Gases :**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. **Chapter-15: Body Fluids and Circulation :**Composition of blood, blood groups, coagulation of blood; composition of lymphandits function; human circulatory system – structure of human heart and blood vessels; cardiaccycle, cardiacoutput, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system – hypertension, coronary artery disease, anginapectoris, heart failure.	
December 2026	**15**	**Chapter16:Excretory Products and their Elimination** Modes of excretion – ammonotelism,ureotelism, uricotelism; human excretory system – structure and function; urine formation; osmoregulation;regulationof kidney function – renin–angiotensin, atrial natriuretic factor, ADH and diabetes	**Experiment:** - Testforpresenceofureain urine. - Testforpresenceofsugarin urine. - Testforpresenceofalbuminin urine. - Testforpresenceofbilesaltsin urine.

| | | insipidus;role of otherorgans in excretion; disorders – uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney; kidney transplant. **Chapter17:Locomotion and Movement** Types of movement – ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems – myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout. **UNIT TEST-3 (03- 5 DEC 2026)** | |

JANUARY 2027	14	**Chapter18:Neural Control and Coordination** Neuron and nerves ;Nervous system in humans – central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse. **Chapter 19: Chemical CoordinationandIntegration** 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, acromegaly, cretinism, goiter, exophthalmic goiter,diabetes, Addison's disease. Note: Diseases related to all the human physiological systems to be taught in brief. **Overview of Human Physiology**. Digestion and absorption (refer to CBSE Reading material) *To be assessed only formatively to reinforce understandingwithoutadding to summative assessment	**Spotting:** -Study of human skeleton and different types of joints.
FEBRUARY 2027		**PWT/UNIT TEST –IV (04-06 FEB 2027, EXCEPT JNV Leh, Kargil, Shimla, Kullu, Lahul-Spiti Chandigarh). Revision**
March2027		**TERM-IIEXAMINATION (15-27 MARCH 2027)**

NAVODAYA VIDYALAYA SAMITI
Split up of Syllabus 2026-27

Class: XI   Subject: Accountancy (055)

Units	Name of the Chapter/Unit	Marks
Part A: Financial Accounting-1		
Unit 1	Theoretical Framework	12
Unit 2	Accounting Process	44
	TOTAL	**56**
Part B: Financial Accounting-II		
Unit 3	Financial Statements of Sole Proprietorship	24
	TOTAL	**24**
Part C: Project Work (20 Marks)		
	Project File	12
	Viva Voce	08
	TOTAL	**20**
	GRAND TOTAL (A+B+C)	**100**

Month	No. of Days	Main Topics and Subtopics	Activities/Project/Practical Experiments to be held/specific Assessment Tool(s) (suggested)
		Part A: Financial Accounting-1	
APRIL / JUNE 2026	22	**Unit 1: Theoretical Framework:** 7. **Introduction to Accounting** Accounting - Concept, meaning, as a source of information, types of accounting information; users of accounting information and their needs. Qualitative Characteristics of Accounting Information. Role of Accounting in Business. • **Basic Accounting Terms** Entity, Business Transaction, Capital, Drawings, Liabilities (Non-current and Current), Assets (Non-current and Current), Expenditure (Capital and Revenue), Expenses, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtors. Creditors, Voucher, Discount (Trade Discount and Cash Discount)	Different assignments can be given to the students to understand the topic through role play method.
		UNIT TEST–I **(27-29 April/23-25 June 2026)** **Syllabus: Introduction to Accounting, Accounting Terms**	
JULY 2026	27	8. **Theory Base of Accounting** Fundamental Accounting Assumptions: GAAP – Concept, Basic Accounting Concepts: Business Entity, Money Measurement, Going Concern, Accounting Period Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure, Consistency, Conservatism, Materiality and Objectivity, System of Accounting, Basis of Accounting: Cash Basis and Accrual Basis Accounting Standards: Applicability of Accounting Standards (AS) and Indian Accounting Standards (Ind AS) Goods and Service Tax (GST): Characteristics and Advantages **Unit-2: Accounting Process Recording of Business:** 6. **Recording of Business Transactions** Voucher and Transactions: Source Documents and Vouchers, Preparation of Vouchers, Accounting Equation Approach: Meaning and Analysis, Rules of Debit and Credit, 4. Recording of Transactions: Books of Original Entry – Journal, 5. Special Purpose Books	Project, The Indian Accounting Standard can be drawn in chart Paper.

		6. Purchase Book, Sales Book, Purchase Return Book Sales Return Book 7. Journal Proper Note: Including trade discount, freight and cartage Expenses for simple GST calculation	
AUGUST 2026	21	• **Recording of Business Transactions (Cont.)** 8. Cash Book: Simple, Cash book with bank column and petty cash book **4. Ledger** Ledger: Format, Posting from Journal and Subsidiary Books, - Balancing of Accounts	Quiz, Class Test, Weekly Test, Oral Test, Mind map, Case Studies, Role Play, Crossword Puzzles

UNIT TEST–II
(10-12 August 2026)
Syllabus: Theory base of Accounting, Recording of Business Transactions (Excluding Cash book)

SEPTE MBER	12	9. **Bank Reconciliation Statement** Need and Preparation of Bank Reconciliation Statement	Quiz, Class Test, Weekly Test, Oral Test, Mind map, Case Studies, Role Play, Crossword Puzzles

TERM 1 EXAMINATION
(16 to 29 September 2026)
Syllabus: Introduction to Accounting to Bank Reconciliation Statement

OCTOBER/NOVEMBER 2026	20	5. **Depreciation, Provision and Reserve** ▪ Depreciation: Meaning, Features, Need, Causes, Factors Other similar terms: Depletion and Amortization ▪ Methods of Depreciation: Straight Line Method (SLM) and Written Down Value Method (WDV) (Note: Excluding change of method) Difference between SLM and WDV Advantages of SLM and WDV ▪ Method of recording depreciation: i. Charging to asset account ii. Creating provision for depreciation/accumulated depreciation account, Preparation of asset account, depreciation account and provision for depreciation account ▪ Treatment of disposal of asset. ▪ Provision, Reserves, Difference between Provisions and Reserves, Types of Reserves: Revenue Reserve, Capital Reserve, General Reserve, Specific Reserve, Secret Reserve Difference between Revenue Reserve and Capital Reserve	Quiz, Class Test, Weekly Test, Oral Test, Mind map, Case Studies, Role Play, Crossword Puzzles

		Part B: Financial Accounting - II	
OCTOBER/NOVEMBER 2026		7. **Trial Balance and Rectification of Errors** Trial balance: objectives, meaning and preparation (Scope: Trial balance with balance method only) Errors: classification-errors of omission, commission, principles, and compensating; their effect on Trial Balance. Detection and rectification of errors; (i) Errors which do not affect trial balance (ii) Errors which affect trial balance. Preparation of suspense account.	Quiz, Class Test, Weekly Test, Oral Test, Mind map, Case Studies, Role Play, Crossword Puzzles
DECEMBER 2026	15	**Unit 3 Financial Statements of Sole Proprietorship** ➤ **Financial Statement of Sole– Proprietorship** Financial Statements- Meaning, Objectives and Importance; Revenue and Capital Expenditure; Deferred Revenue Expenditure, Opening Journal Entry. Trading and Profit and Loss Account: Gross Profit, Operating Profit and Net Profit. Preparation of Balance Sheet: Need, grouping and marshalling of assets and liabilities. Adjustment in preparation of Financial Statements with respect to Closing Stock, Outstanding Expenses, Prepaid Expenses, Accrued Income, Income Received in Advance, Depreciation.	Quiz, Class Test, Weekly Test, Oral Test, Mind map, Case Studies, Role Play, Crossword Puzzles
		UNIT TEST III **(3-5 December 2026)** **Syllabus: Trial Balance and Rectification of Error, Financial Statements without Adjustments**	
JANAUARY 2027	12	• **Financial Statement of Sole– Proprietorship(Contd.)** Adjustment in preparation of Financial Statements with respect to Bad Debts, Provision for Doubtful Debts, Provision for Discount on Debtors, Abnormal Loss, Goods taken for personal use/staff welfare, Interest on capital and manager's commission. Preparation of Trading and Profit and Loss Preparation of Trading and Profit and Loss Account and Balance Sheet of a sole proprietorship with adjustment.	Quiz, Class Test, Weekly Test, Oral Test, Mind map, Case Studies, Role Play, Crossword Puzzles
FEBRUARY 2027	24	• **Accounts from incomplete records** Incomplete Records- Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method (excluding conversion method)	Quiz, Class Test, Weekly Test, Oral Test, Mind map, Case Studies, Role Play, Crossword Puzzles

		Part-C	
		PREPARATION OF PROJECT WORK	
		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 given cash book and the pass book with twenty to twenty-five transactions.	
		3. Comprehensive project of any sole proprietorship business. This may state with journal entries and their ledgering, preparation of Trial balance. Trading and Profit and Loss Account and Balance Sheet. Expenses, incomes and profit (loss), assets and liabilities are to be depicted using pie chart / bar diagram. This may include simple GST related transactions.	
		UNIT TEST IV *Syllabus: Financial Statement with adjustment and Incomplete Records*	
March 2027		**REVISION** **TERM-II EXAMINATION** **(15 to 27 March 2027)**	

SUGGESTED QUESTION PAPER PATTERN BY CBSE

Sl No.	Typology of Questions	Marks	Percentage
1	**Remembering and Understanding:** Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	32	40%
2	**Applying:** Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	24	30 %
3	**Analysing, Evaluating and Creating:** Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	24	30%
	TOTAL	**80**	**100%**

NOTE: - *Any change in the syllabus, if announced by the CBSE during the academic year 2026-27, has to be incorporated in the split-up syllabus by the concerned teachers accordingly. In this regard Teachers are requested to be in touch with the CBSE website.*

NAVODAYA VIDYALAYA SAMITI

Class: XI   Subject: BUSINESS STUDIES (054)

Units	Topics	Marks
Part A	**FOUNDATION OF BUSINESS**	
1	Nature and Purpose of Business	16
2	Forms of Business Organization	
3	Public, Private and Global Enterprises	14
4	Business Services	
5	Emerging Modes of Business	10
6	Social Responsibility of Business and Business Ethics	
	TOTAL	**40**
Part B	**FINANCE AND TRADE**	
1	Sources of Business Finance	20
2	Small Business and Enterprises	
3	Internal Trade	20
4	International Business	
	TOTAL	**40**
Part C	**PROJECT WORK (ONE)**	20

Month	No. of Days	Main Topic and Sub-topics to be covered	Activities/Projects/ Practical / Experiments to be held/ Specific Assessment Tool(s) suggested.
April/June 2026	22	**Unit. 01 – Nature and Purpose of Business:** • History of Trade and Commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities, Merchant Corporations, Major Trade Centres, Major Import and Exports, Position of Indian Sub-Continent in the World Economy. • Business –Meaning (special reference to economic and non-economic activities), Characteristics, Business, Profession and Employment–Concept, Differentiate between business, profession and employment. • Objective of Business (economic and social objectives of business), role of profit in 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, nature and causes of business risks. **Unit.02-Forms of Business Organizations** • Sole Proprietorship-Concept, merits and limitations. • Partnership-Concept, types (on the basis of duration and on the basis of liability), merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners (active, sleeping, secret, nominal and partner by estoppel)	Project, Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play
		UNIT TEST-I **(27-29 April/23-25 June 2026)** *Syllabus: Nature and Purpose of Business, Sole Proprietorship, Partnership.*	
July 2026	27	**Unit.02-Forms of Business Organizations (Contd.)** • Hindu Undivided Family Business: Concept. • Cooperative Societies Concept (including concept of consumers, producers, marketing, farmers, credit and housing co-operatives), merits, and limitations. • Joint Stock Company - Concept, merits and limitations; Types: Private, Public and One Person Company– Concept. Distinguish	

		between a private company and a public company • Formation of company - stages, important documents to be used in formation of a company • Choice of form of business organization - Distinguish between the various forms of business organizations, explain the factors that influence the choice of a suitable form of business organization. **Unit. 03 – Public, Private and Global Enterprises** • Public Sector and Private Sector Enterprises – Concept • Forms of Public Sector Enterprises–Departmental Undertakings, Statutory Corporations and Government Company. • Global Enterprises –Features Joint Venture, Public Private Partnership–Concept (meaning and features)	
August 2026	21	**Unit. 04 – Business Services** • Business services –meaning and types. • Banking: Types of bank accounts - savings, current, recurring, fixed deposit and multi-option deposit account. Banking services with particular reference to Bank Draft, Bank Overdraft, and Cash credit, E-Banking: - meaning, Types of digital Payments. • Insurance – Principles. Types – life, health, fire and marine insurance – concept. • Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier – meaning **Unit.05 – Emerging Modes of Business** • E-business: concept, scope and benefits, Distinguish e-business from traditional business	Project, Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play, Bank Visits, Display of different Cards
		UNIT TEST II *(10-12 August 2026)* *Syllabus : Hindu Undivided Family Business, Cooperative Societies, Joint Stock Company, Formation of a Company; Public, Private and Global Enterprises*	
September 2026	12	**Unit 06 –Social Responsibility of Business and Business Ethics** • Concept of Social Responsibility. • Case of Social Responsibility. • Social responsibility towards different interest groups-(owners, investors, consumers, employees, government and community). • Role of business in environment protection. • Business Ethics: - Concept and Elements	Project, Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play, Live Presentation of Online Transactions
		TERM- I EXAMINATION (16 to 29 SEPTEMBER 2026) *Syllabus : Unit 01 to 06*	
October/ November 2026	20	**Unit.07 –Sources of Business Finance** • Business Finance: Concept, meaning, nature and importance of business finance.	Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play

		• Owners 'Funds – equity shares, preferences share, retained earnings • Borrowed funds: debentures and bonds, loan from financial institution, commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD). • Distinguish between owners' funds and borrowed funds.	
October/ November 2026	20	**Unit. 08 – Small Business and Enterprises** • Entrepreneurship Development (ED): Concept, Characteristics and Need. Process of Entrepreneurship Development: Start – up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship (concept). • 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	Project, Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play
December 2026	15	**Unit. 09 – Internal Trade** • Internal trade - meaning and types of 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 – concept and features. • GST (Goods and Services Tax): Concept and key features	Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play, Visit of nearest Departmental Store and Chain Store
		UNIT TEST III **(3-5 December 2026)** ***Syllabus: Sources of Business Finance and Small Business and Enterprises***	
January 2027	12	**Unit.10 – International Trade:** • International trade: concept, benefits and scope of international trade to the nation and business firms. • Export trade – Meaning and objectives of export trade, procedure. • Import Trade - scope of international trade to the nation and business firms procedure • Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP). • World Trade Organization (WTO) meaning and objectives of World Trade Organization in promoting international trade.	Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play
February 2027	24	**PREPARATION OF PROJECT WORK** **UNIT TEST IV**	

		Syllabus: -Internal Trade and International Trade **REVISION**	
		REVISION **TERM– II EXAMINATION (15 to 27 MARCH 2027)**	

Business Studies (054)

CLASS: XI THEORY: 80 MARKS PROJECT: 20 MARKS

Sr. No	Typology of Questions	Marks	Percentage
1	**Remembering and Understanding:** Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding off acts and Ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	**32**	**40%**
2	**Applying:** Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way	**24**	**30%**
3	**Analyzing, Evaluating and Creating:** Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new Pattern or proposing alternative solutions.	**24**	**30%**
	Total	**80**	**100%**
NOTE: - *Any change in the syllabus, if announced by the CBSE during the academic year 2026-27, has to be incorporated in the split-up syllabus by the concerned teachers accordingly. In this regard Teachers are requested to be in touch with the CBSE website.*			

NAVODAYA VIDYALAYA SAMITI

CLASS: XI   SUBJECT: ECONOMICS (030)

Units		Marks	Periods
Part-A	**Statistics for Economics**		
	Introduction	15	10
	Collection, Organization and Presentation of Data		30
	Statistical Tools and Interpretation	25	50
		40	90
Part-B	**Introductory Micro Economics**		
	Introduction	04	10
	Consumer's Equilibrium and Demand	15	40
	Producer Behavior and Supply	15	35
	Forms of Market and Price Determination under Perfect Competition with simple applications	06	25
		40	110
	Theory Paper (Total)	**80**	**200**
Part-C	**Project Work**	20	20
	Grand Total	**100**	220

MONTH	NO. OF DAYS	MAIN TOPIC AND SUB-TOPICS TO BE COVERED	ACTIVITIES/ PROJECTS/ PRACTICAL/ EXPERIMENTS TO BE HELD/ SPECIFIC ASSESSMENT TOOL(S) SUGGESTED.
APRIL/ JUNE 2026	22	**Unit1: Introduction:** What is Economics? Meaning, Scope, Functions of Statistics ,Importance of Statistics in Economics. **Unit 2: Collection, Organization and Presentation of data** **Collection of data**- sources of data- primary and secondary; how basic data collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organization. **UNIT TEST-I (27-29 APRIL 2026)** *Syllabus:-Introduction & Collection of Data*	**Activity Based Teaching** Preparation of a Questionnaire by different groups of students **- Mobile phone usage** among teenagers, Dropout of students from class VI to class VIII Environmental Awareness etc, Sports participation in school.
JULY 2026	27	**Organization 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). **Unit:3 Statistical Tools and Interpretation** (For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived. **Measures of Central Tendency-** Arithmetic Mean, Median and Mode	**Activity Based Teaching:** To understand different types of variables and organization of raw data. Activity: Students collect data from their class on: Age, Marks in Economics, Height of students, Number of siblings Identify the types of variables: Discrete variables, Continuous variables Organize the raw data into frequency distribution tables.Construction of Bar diagram on Student strength of different class on the basis of Sex, Category etc.Calculation of Modal Shoes Size of a Particular Class, Construction of Time series graph on the basis of no. of Registration of Candidates in JNVST in last five years.

AUGUST 2026	21	Correlation: Meaning and properties, Scatter diagram; Measures of correlation–Karl Pearson's method (two variables ungrouped data), Spearman's rank correlation. (Non-Repeated Ranks and Repeated Ranks). Introduction to Index Numbers- meaning, types-wholesale price index, Consumer price Index and index of industrial production, uses of index numbers; inflation and index numbers. Simple Aggregative Method.	Questions on different types of Correlation, Rank Correlation Assertion and Reason types of Questions based on Correlation, Index Numbers Calculation of inflation rate
		UNIT TEST-II (10-12 AUGUST 2026) Syllabus for UT-II Exam: - Organization of Data, Presentation of Data, Statistical Tools Interpretation, Measures of Central Tendency-Arithmetic Mean, Median, Mode etc.	
SEPTEMBER 2026	12	**INTRODUCTORY MICRO ECONOMICS (40 MARKS)** **UNIT4: Introduction** Meaning of micro economics and macro economics; 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.	**Class Discussion** Ask students the following questions: 1. What activities take place in an economy? 2. Who are the main participants in an economy? 3. Why do we need an economy?
		TERM I EXAMINATION (16 to 29 SEPTEMBER 2026)	
OCTOBER/NOVEMBER 2026	20	**Unit-5: 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.	Project Work: 1.Effecton PPC due to various government policies Opportunity Cost as an Economic Tool (taking real life situations)

		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 and total expenditure method. **Unit 6: Producer Behavior and Supply** Meaning of Production Function–Short-Run and Long-Run, Total Product, Average Product and Marginal Product, Returns to a Factor.	**Activity based Teaching:** Individual Demand &Market Demand Schedule
DECEMBER 2026	15	**Unit 6: Producer Behavior and Supply** 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. **UNIT TEST-III(3-5 DECEMBER 2026)** *Syllabus:-Unit-5 and Unit-6*	Case study questions and competency based questions Assertion and Reason types of Questions on Producer's equilibrium. Numerical Questions on Elasticity of Supply
JANUARY 2027	12	**Unit 7: Forms of Market and Price Determination under Perfect Competition with simple application:** Perfect competition- Features; Determination of market equilibrium and effects of shifts in demand and supply.	**Project Work:** Effect of Price Change on a Complementary Good (taking prices from Real life visiting local market)
FEBRUARY 2027	**24**	Simple applications of demand and supply: Price ceiling, price floor **PREPARATION OF PROJECT WORK** **UNIT TEST-IV (4-6** **FEBRUARY 2027)** *Syllabus : unit-6 and unit-7* **REVISION**	

MARCH 2027		**REVISION TERM–II EXAMINATION** **15 to 27 MARCH 2027)**	

SUGGESTED QUESTION PAPER PATTERN BY CBSE

CLASS XI ECONOMICS (030)

Marks: 80   Duration: 3 hrs

S. No	Typology of Questions	Marks	Percentage
1	Remembering and Understanding: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	44	55%
2	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	18	22.5%
3	Analyzing, Evaluating and Creating: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new Pattern or proposing alternative solutions.	18	22.5%
	Total	80	100%

NAVODAYA VIDYALAYA SAMITI

Split up of Syllabus (2026-27)

CLASS: XI   **SUBJECT: GEOGRAPHY (029)**

Sl. No.	NAME OFTHEUNITS/ CHAPTERS	ALLOTTED MARKS	NUMBEROF PERIODS
1	Fundamentals of Physical Geography	30	85
2	India-Physical Environment	30	85
3	Practical Work in Geography–Part I	25+3+2=30	40
4	Map Work from Fundamentals of Physical Geography	5	5
5	Map work from India–Physical Environment	5	5
	Total	100 Marks	220

MONTH	NO.OF DAYS	Main topic and subtopics to be covered	Activities/projects/ practical
APRIL2026	22	**Fundamentals of Physical Geography. Unit 1** 1Geography as a Discipline <u>Unit</u> <u>II</u> 2The Origin and Evolution of the Earth **India–Physical Environment. Unit 1** 1 India — Location **UNITTEST-I (27-29 April, 2026)**	<u>Practical work in Geography</u> 1.IntroductiontoMaps Activities
JULY 2026	27	**Fundamentals of Physical Geography. Unit II** 3 Interior of the Earth 4Distribution of Oceans and Continents **India–Physical Environment. Unit II** 2Structure and Physiography	Practical work in Geography 1. Map 2. Scale 3. Assignment/map work– India Political
AUGUST2026	21	**Fundamentals of Physical Geography. Unit III** 5. Geomorphic Processes 6. Landforms and their Evolution **India–Physical Environment .Unit II** 3 Drainage System **UNITTEST-II (10-12 August, 2026)**	Practical work in Geography 3. Latitude, longitude and time Activities Assignment/ Map Work– Physical Features of India
SEPTEMBER 2026	12	**Fundamentals of Physical Geography. UNITIV** 7. Composition and Structure of Atmosphere **Fundamentals of Physical Geography. Unit IV** 8.Solar Radiation, Heat Balance and Temperature	Practical work in Geography Assignment/Map Work– Rivers and Lakes of India
		TERMIEXAMINATION (16-29 SEPTEMBER, 2026) **(All chapters of unit test -1&2)**	
OCTO BER \NOVE MBER 2026	20	**Fundamentals of Physical Geography. Unit IV** 9.Atmospheric Circulation and Weather Systems **India–Physical Environment. Unit III** 4 Climate	Activities Assignment/ project works

OCTOBER NOVEMBER 2026		**Fundamentals of Physical Geography. Unit IV** 10 Water in the Atmosphere **Fundamentals of Physical Geography. Unit IV** 11.World Climate and Climate Change (To be tested through internal assessment in the form of project and presentation.)	Activities Assignment/project works
DCEMBER2026	**15**	**Fundamentals of Physical Geography. Unit V** 12 Water (Oceans)	Practical work in Geography 4.Map Projections
		UNITTEST-III (3-5 December, 2026)	
JANUARY2027	**12**	**India–Physical Environment. Unit III** 5Natural Vegetation **Fundamentals of Physical Geography. Unit V** 13.Movements of Ocean Water **Unit IV** 6.Natural Hazards and Disasters (To be tested through internal assessment in the form of project and presentation)	Practical work in Geography 5.Topographical Maps. Map Work: Location of Biosphere reserves and major forest types
FEBRUARY2027	**24**	**Fundamentals of Physical Geography. Unit VI** 14.Biodiversity and Conservation (To be tested through internal assessment in the form of project and presentation.) **REVISION**	Practical work in Geography 6.IntroductiontoRemote sensing
		UNITTEST-IV (04-06 February, 2027)	
MARCH 2027		**REVISION** **TERMIIEXAMINATION (15-27 MARCH 2027)**	

SUGGESTEDCLASSROOMACTIVITIES:-

- GROUP DISCUSSIONORDEBATE
- MAP PRACTICE
- GRAPHANDDATAINTERPRETATION
- FOCUSONLOCALAREARESOURCES &ENVIRONMENT
- ASSERTIONAND REASIONING
- CASEBASED QUESTIONS
- MATCHINGEXERCISES
- COMPETENCYBASED QUESTIONS
- OTHERRELEVENTACTIVITIES

NAVODAYA VIDYALAYA SAMITI
Split up of syllabus

CLASS XI   **SUBJECT- HISTORY (027)**

	NameoftheChapter/unit	Marks	Periods
Introduction	IntroductiontoWorldHistory		4
Section-I	EarlySocieties		
	Introduction Time line (6mya to 1 BCE)		4
2	WritingandCityLife	10	20
Section-II	Empires		
	Introduction Time line 2 (c-100 BCE to 1300 CE)		4
3	Anempireacrossthree continents	10	20
5	NomadicEmpires	10	20
Section-III	ChangingTraditions		
	Introduction Time line 3 (C1300 to 1700)		4
6	TheThreeOrders	10	20
7	ChangingCulturalTraditions	10	20
Section-IV	Towards Modernization		
	Introduction Time line 4(1700CE to 2000 CE)		4
10	DisplacingIndigenous People	10	25
11	PathsTo Modernization	15	25
	MapworkoftheRelated Themes	5	15
	Total	80	185
	InternalAssessment	20	25
	GrandTotal	100	210

MONTH	NUMBER OF DAYS	NUMBER OF PERIODS	Main Topic and Sub-Topics:	Activities/Projects/ Practical Experiments to be held/Spec ific Assessment Tool(s) (Suggested)
APRIL/JULY 2026	24	34	Introduction to World History Introduction of Early Societies	A discussion on early human life and changes occurred in it.
			Writin gand City Life Focus:Iraq,3rd millenniumBCE 1. Growth of towns 2. Nature of early urban societies 3. Historians'Debateonusesof writing	—Written quiz ‖onthe significance of writing. Announcement/selection of topic for project work. Thematical map of palace of Zimri-Lim
			UNITTEST-I (27/04/26 to 29/04/2026)	
JULY2026	27	30	Introduction of Empires **Anempireacrossthree continents** Focus:Roman Empire,27 BCE to 600 CE a) Political evolution b) Economic Expansion Religion-culture foundation Late Antiquity Historians'view on the Institution of Slavery	Prepare a short note on the role of slaveryasa significant element in the economyof Roman empire. Prepare a model on Roman Colosseum. Pietra –dura style of Art.
AUGUST2026	24	35	**NomadicEmpires(Uptopage No. 113)** Focus:TheMongol,13thto14th century Thenatureofnomadism Formation of empires Conquest sandrelations with other states Historians'view sonnomadic societies and state formation	Genghis Khanasan —Oceanicruler‖ **Project work:** Collection of data Assignment – Mongol invasions on India.
			UNITTEST-II (10/08/26 to 12/08/26)	

SEPTEMBER 2026	25	30	**TheThree Orders** Focus:Western Europe13th- 16th century a) Feudal societyand economy	What similarities do you find between the conditions of life for a French serf and a Roman slave Benedict church
			Formation of state Church and society Historians'viewsondeclineof feudalism	**Project work:** Analysis of the data MapWork-Location and labe lling on the maps based on the given chapters.
			TERMIEXAMINATION **(16/09/26 to 29/09/26)**	
OCTOBER 2026	18	27	• Introduction of Changing Traditions • **ChangingCulturalTraditions** Focus: Europe 14th -17th century a) New ideas and new trends in literature and arts • Relationship with earlier ideas	**Art and architect in Europe during 15 th century** A project on European Renaissance
NOVEMBER2	24	32	• Thecontribution ofWest Asia • Historians'viewpointonthe validity of the notion ‗European Renaissance IntroductiontoPathsof Modernization	AprojectonEuropean Renaissance Beliefs , Science and Technology- Project
DECEMBER 2026	26	35	**Displacing Indigenous People** Focus: North America and Australia,18th to 20th century a) European colonists in North America and Australia b) FormationofWhite Settler societies Displacement and repression of local people Historians' viewpoint on the impact of European settlement on indigenous population	Compare and contrast the 10 political situations of the native people of Indiaand Australia during the first quarter of 20th century. Map based on the Theme: Displacing Indigenous People Revolution for Rights by Natives.
			UNITTEST-III **(03/12/26 to 05/12/26)**	
JANUARY 2027	25	32	**Paths To Modernization** Focus:East Asia,late19thto 20th century Militarizationan deconomic growth	Discuss about opium warsan doccupation of Hong Kong by Britain. Inventions and discoveries during 19th and 20th century Japan.

			in Japan. Chinaandthecommunist alternative	Examination pattern in China – Short note with pictures.
FEBRUARY 2027	24		Historians'Debateonthemeaning of modernization	MapbasedontheTheme:Pathsto Modernization
			UNITTEST-IV (04/02/27 to 06/02/27)	
MARCH 2027			**REVISION** **TERMIIEXAMINATION (15 to 27 MARCH 2027)**	

The learning objectives and learning out comes of each them emust be
followed as per the CBSE class XI course structure (2026-27).

NAVODAYA VIDYALAYA SAMITI

SPLITUP SYLLABUS FOR THE ACADEMIC YEAR 2026-27

CLASS: XI   **SUBJECT: COMPUTER SCIENCE (083)**

Theory ::

Unit No.	Unit Name	Marks
1	Computer Systems and Organisation	10
2	Computational Thinking and Programming -1	45
3	Society, Law, and Ethics	15
	Total	**70**

Practical ::

S.No.	Unit Name	Marks (Total=30)
1.	**Lab Test (12 marks)**	
	Python program (60% logic + 20% documentation + 20% code quality)	**12**
2.	**Report File + Viva (10 marks)**	
	Report file: Minimum 20 Python programs	**7**
	Viva voce	**3**
3.	Project (that uses most of the concepts that have been learnt)	**8**

SPLIT-UP SYLLABUS

Month	No. of Days	Weightage	Main topic and sub-topics to be covered	Activities/Projects/ Practical
APRIL / JUNE 2026	21	10	**Unit I: Computer Systems and Organisation:** • Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) • Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software • Operating System(OS): functions of the operating system, OS user interface • Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits • Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems • Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)	Note: Exploring inside computer system in the computer lab Record of the configuration of computer system used by the student in the computer lab

Month	No. of Days	Weightage	Main topic and sub-topics to be covered	Activities/Projects/ Practical
APRIL/ JUNE / JULY 2026		10	**Unit II: Computational Thinking and Programming** - I ● Introduction to Problem-solving: Steps for Problem solving (Analysing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition ● Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple —hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments ● Knowledge of data types: Number(integer, floating point, complex), boolean, sequence(string, list, tuple), None, Mapping (dictionary), mutable and immutable data types.	**Programming in Python :** Print 'Hello World' Program. Programs involving simple data types Program to find absolute value, Program to Sort 3 nos.
AUGUST 2026	21	45	**Unit II: Computational Thinking and Programming – 1** ● Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in) ● Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit &	Python programs to apply different operators and types. Python programs using if, if.. else, if … elif… else.

			implicit conversion), accepting data as input from the console and displaying output • Errors: syntax errors, logical errors, runtime errors • Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control • Conditional statements: if, if-else, if-elif-else, Flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.	
SEPTEMBER 2026	12		Iterative Statement: for loop, range (), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, Summation of series, finding the factorial of a positive number, etc.	Creating Python Programs using loop.
OCTOBER 2026/ NOVEMBER-2026	20		Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(), rstrip(), strip(), replace(), join(), partition(), split() **Unit II: Computational Thinking and Programming – 1** • **Lists:** introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists,	Creating python Programs Using String. Different python Programs to Implement List, and related methods.

OCTOBER 2026/ NOVEMBER-2026			• **Tuples:** introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple. • **Dictionary**: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(),popitem(), setdefault(), max(), min(), sorted(); Suggested programs: count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them.	Different python Programs to implement Tuples related Methods. Different Python Programs to Implement dictionary and related methods.
DECEMBER 2026	**15**	**15**	**Introduction to Python modules:** • Importing module using 'import <module> ' and using from statement, importing math module (sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()). **Unit III: Society, Law and Ethics:** • Digital Footprints ● Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes • Data Protection: Intellectual property rights (copyright, patent , trademark), violation of IPR(plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache)	Generate random number using random module and implement different random functions. Also create Python Programs using all functions.

JANUARY 2027	24	14 T 0P	**Unit III: Society, Law and Ethics:** • **Cyber Crime**: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying • **Cyber safety:** safely browsing the web, identity protection, confidentiality • **Malware:** viruses, trojans, adware • **E-waste management:** proper disposal of used electronic gadgets. • Information Technology Act (IT Act) • **Technology and society:** Gender and disability issues while teaching and using computers.	
FEBRUARY 2027			**Unit Test-IV: 4-6 February 2027** **[Except JNV Leh, Kargil, Shimla, Kullu, Lahul-spiti-RO Chandigarh may decide for these JNVs]**
MARCH 2027			**REVISION** **TERM- II EXAMINATION (15 to 27 MARCH 2027)**

NOTE: T-THEORY PERIODS AND P- PRACTICAL PERIODS

TERM-I syllabus should be completed by 10.09.2026

100% syllabus of TERM-II should be completed by   28.02.2027

Duration: 3 hours   **Total Marks: 30**

Suggested Practical List

Programming in Python: At least the following Python concepts should be covered in the lab Sessions: expressions, conditionals, loops, list, dictionary, and strings. The following are some representative lab assignments.

- Input a welcome message and display it.
- Input two numbers and display the larger / smaller number.
- Input three numbers and display the largest / smallest number.
- Given two integers x and n, compute x^n.
- Write a program to input the value of x and n and print the sum of the following series:

$1+x+x^2+x^3+x^4+.............x^n$

$1-x+x^2-x^3+x^4-.............x$

$x + x^2/2 - x^3/3 + x^4/4 - ....x^n/n$

$x + x^2/2! - x^3/3!+ x^4/4! - ....x^n/n!$

- Determine whether a number is a perfect number, an Armstrong number or a palindrome.
- Input a number and check if the number is a prime or composite number.
- Display the terms of a Fibonacci series.
- Compute the greatest common divisor and least common multiple of two integers.
- Count and display the number of vowels, consonants, uppercase, lowercase characters in string.
- Input a string and determine whether it is a palindrome or not; convert the case of characters in a string.
- Find the largest/smallest number in a list/tuple
- Input a list of numbers and swap elements at the even location with the elements at the odd location.
- Input a list of elements, sort in ascending/descending order using Bubble/Insertion sort.
- Input a list/tuple of elements, search for a given element in the list/tuple.
- Input a list of numbers and test if a number is equal to the sum of the cubes of its digits. Find the smallest and largest such number from the given list of numbers.
- Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.

Suggested Reading Material

A. NCERT Textbook for COMPUTER SCIENCE (Class XI)

B. Support Materials on the CBSE website.
****

नवोदय विद्यालय समिति

विषय : हिंदी आधार कोड संख्या 302
कक्षा-12 सत्र 2026-27
परीक्षा हेतु पाठयक्रम विनिर्देशन

- प्रश्न तीन खंडो – खंड क ,ख ग में होगा
- खंड क में अपठित बोध पर आधारित प्रश्न पूछे जायेंगे सभी प्रश्नों के उत्तर देने होंगे.
- खंड ख में अभिव्यक्ति और माध्यम पाठ्यपुस्तक के आधार पर प्रश्न पूछे जायेंगे
- प्रश्नों में आन्तरिक विकल्प दिए जायेंगें
- खंड–ग में आरोह भाग-2 एवं वितान भाग-2 के आधार पर प्रश्न पूछें जायेंगे
- प्रश्नों में आन्तरिक विकल्प दिए जायेंगे

भारांक-80 अंक   निर्धारित समय- 3 घंटे

इकाई संख्या	इकाई/ पाठ का नाम	उप भारांक	भारांक
	खंड –क अपठित गद्यांश और पद्यांश		
1.	अपठित गद्यांश (लगभग 250 शब्दों का) बहुविकल्पीय प्रश्न- 01अंक X 03 प्रश्न अति लघुत्तरात्मक प्रश्न 01अंक X 01 प्रश्न लघुत्तरात्मक प्रश्न 02 अंक X 03 प्रश्न	10 अंक	18 अंक
2.	अपठित गद्यांश (लगभग 100 शब्दों का) बहुविकल्पीय प्रश्न- 01अंक X 03 प्रश्न अति लघुत्तरात्मक प्रश्न 01अंक X 01 प्रश्न लघुत्तरात्मक प्रश्न 02 अंक X 02 प्रश्न	08 अंक	
	खंड-ख (अभिव्यक्ति और माध्यम पाठ्य पुस्तक के आधार पर) **पाठ संख्या 3, 4, 5,11,12 तथा 13 पर आधारित**		
3.	दिए गए अप्रत्याशित विषयों में से किसी एक विषय पर आधारित 120 शब्दों में रचनात्मक लेखन (06 अंक X 01 प्रश्न) पाठ संख्या 3, 4, 5,11,12 तथा 13 पर आधारित 02 अंक x 04 प्रश्न (लगभग 40 शब्दों में)	06 अंक	22 अंक
4.	04 अंक x 02 प्रश्न (लगभग 80 शब्दों में)	16 अंक	

खंड-ग (आरोह भाग-02 एवं वितान भाग-02 पाठ्यपुस्तकों के आधार पर)			
5.	पठित काव्यांश पर आधारित 05 बहुविकल्पीय प्रश्न (01अंक x 05 प्रश्न)	5 अंक	15 अंक
6.	काव्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (03 अंक x 02 प्रश्न)	6 अंक	
7.	काव्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (02 अंक x 02 प्रश्न)	4 अंक	
8.	पठित काव्यांश पर आधारित 05 बहुविकल्पीय प्रश्न (01अंक x 05 प्रश्न)	5 अंक	
9.	गद्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (03 अंक x 02 प्रश्न)	6 अंक	
10.	गद्य खंड पर आधारित 03 प्रश्नों में से किन्हीं 02 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (02 अंक x 02 प्रश्न)	4 अंक	15 अंक
11.	वितान के पाठों पर आधारित 03 में से 02 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (05 अंक x 02 प्रश्न)	10 अंक	
12.	श्रवण तथा वाचन कौशल	10 अंक	
13.	परियोजना कार्य	10 अंक	10 अंक
		कुल अंक	100

निर्धारित पुस्तकें

1. आरोह भाग -2 एन. सी. ई. आर. टी. नई दिल्ली
2. वितान भाग -2 एन. सी. ई. आर. टी. नई दिल्ली
3. अभिव्यक्ति और माध्यम -एन. सी. ई. आर. टी. नई दिल्ली

पाठ्यपुस्तक के निम्नलिखित पाठ डिलीट कर दिए हैं.

आरोह भाग -2	काव्य खंड	• गजानन माधव मुक्तिबोध – सहर्ष स्वीकारा है (पूरा पाठ) • फ़िराक़ गोरखपुरी – गजल
	गद्य खंड	• विष्णु खरे – चार्ली चैप्लिन यानि हम सब (पूरा पाठ) • रज़िया सज्जाद ज़हीर – नमक (पूरा पाठ)
वितान भाग-2		• एन फ्रैंक – डायरी के पन्ने

नोट हिंदी आधार(302) कक्षा 12 का विस्तृत प्रारूप जानने हेतु सत्र 2026-27 के लिए सी. बी. एस. ई. द्वारा जारी किये गए प्रतिदर्श प्रश्नपत्र का अवलोकन करें.

पाठ्यक्रम विभाजन – सत्र 2026-27 हिंदी आधार कक्षा 12

माह	दिन	पाठ/ उप पाठ का नाम			परियोजना कार्य/ क्रिया कलाप
		आरोह भाग -2	वितान भाग-2	अभिव्यक्ति और माध्यम /रचनात्मक लेखन	
अप्रैल/ मई /जून 2026	22	गद्य खंड- भक्तिन महादेवी वर्मा पद्य खंड – आत्म परिचय,एक गीत (हरिबंश राय बच्चन)	सिल्वर वेडिंग – मनोहर श्याम जोशी	क.अपठित गद्यांश ख.नए और अप्रत्याशित विषयों पर लेखन	सिल्वर वेडिंग: प्रेम संघर्ष और जीवन की कहानी (वाद विवाद)
		प्रथम इकाई परीक्षा (27-29 अप्रैल /23-25 जून2026)			
जुलाई 2026	27	गद्य खंड- बाज़ार दर्शन (जैनेन्द्र कुमार) काले मेघा पानी दे (धर्मवीर भारती) पद्य खंड, पतंग - आलोक धन्वा कविता के बहाने – कुंवर नारायण बात सीधी थी - कुंवर नारायण	सिल्वर वेडिंग – मनोहर श्याम जोशी	क.अपठित पद्यांश ख.विभिन्न माध्यमों के लिए लेखन	आधुनिक बाज़ार: "सार्थकता व चुनौतियाँ" पर परियोजना कार्य
अगस्त 2026	21	गद्य खंड- पहलवान की ढोलक- फणीश्वर नाथ रेणु पद्य खंड- कैमरे में बंद अपाहिज रघुवीर सहाय उषा- शमशेर बहादुर सिंह	जूझ- आनंद यादव	पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया	मीडिया का समाज पर प्रभाव:एक सामाजिक और राजनीतिक विश्लेषण
		द्वितीय इकाई परीक्षा (10-12 अगस्त 2026)			

माह	कालांश				
सितम्बर 2026	12	गद्य खंड- शिरीष के फूल हजारी प्रसाद द्विवेदी पद्य खंड- बादल राग सूर्यकान्त त्रिपाठी निराला	जूझ- आनंद यादव	विशेष लेखन - स्वरुप और प्रकार	आचार्य "हजारी प्रसाद द्विवेदी:एक साहित्यिक युग का प्रतिनिधि" पर परिचर्चा
	प्रथम सत्रांत परीक्षा- (16-29 सित. 2026)				
अक्टूबर: 2026 नवम्बर 2026	20	गद्य खंड- श्रम विभाजन और जाति प्रथा- डा. बी.आर.आंबेडकर पद्य खंड- कवितावली – तुलसीदास लक्ष्मण मूर्छा और राम का विलाप- तुलसीदास गद्य खंड- मेरी कल्पना का आदर्श समाज डा. बी.आर.आंबेडकर रुबाईयाँ – फिराक गोरखपुरी छोटा मेरा खेत- उमाशंकर जोशी बगुलों के पंख- उमाशंकर जोशी	अतीत में दबे पाँव –ओम थानवी अतीत में दबे पाँव –ओम थानवी	कैसे करें कहानी का नाट्य रूपान्तरण कैसे बनता है रेडियो नाटक	तुलसीदास द्वारा रचित अवधी और ब्रजभाषा के ग्रंथों की सूची बनाना जाति प्रथा पर आधरित श्रम विभाजन निर्विवाद रूप से हानिकारक है (परिचर्चा)
	प्रथम प्री बोर्ड परीक्षा 21 नवम्बर से 03 दिसम्बर- 2026				
दिसम्बर 2026	पुनरावृत्ति प्री बोर्ड द्वितीय क्षेत्रीय कार्यालय द्वारा निर्धारित किया जायेगा				
जनवरी 2027	पुनरावृत्ति				
फरवरी 2027	वार्षिक परीक्षा-2027				

CLASS:XII   SUBJECT:ENGLISHCORE(301)

Unit No	Name of The Chapter/Unit	Marks
1	**Readingskills–** Typicallydividedintotwounseen passages: • Passage 1 (12 Marks): A 600-700 wordpassage(factual,descriptive,or literary) focusingoncomprehension, inference, and vocabulary. • Passage2(10Marks):Acase-based passage (400-500 words) using statistics, graphs, or charts to test analytical skills.	**22**
2	**Creativewritingskills** • **Notice** • **Invitationsandgivingreplies** • **LetterwritingandJobapplications** • **ReportwritingandArticlewriting**	**18**
3	**Flamingo Vistas**	**40**
	Total	**80**
	Internal Assessment	**20**
	GrandTotal	**100**

MONTH	NO OF DAYS	Main Topic and Sub-Topics to be Covered		Activities/Projects/Practical Experiments to be Held/ Specific Assessment Tool(s)(Suggested)
		Flamingo/Vistas	Reading & Advance Writing Skills	
APRIL/JUNE2026	22	• The Last Lesson (Prose) • My Mother at Sixty Six(Poem) • The Third Level (Prose) • The Tiger King (Prose)	UnseenPassage. NoticeandInvitation&Replies (acceptance and regrets) ASLProject-ImposedVsself-imposedlinguisticChauvinisminthe presentscenarioofacademiclifein thelightof ‗TheLastlesson'. (Objective - focuses on the necessity to takestepstoprotecttheregional languagesfromtheinfluenceof foreignlanguage) Assignment-Writealettertothe Editorhighlighting/expressingviews on‗linguisticChauvinisminthe present scenarioof academiclife' Assignment- Create a flow chart to expandstoryof‗TheThirdLevel'/of events in the Story	Reading Section: Practice Unseen comprehension. WritingSection: *Shortwritingtask–Notice Noticefor Meeting, Noticefor eventslike Competition/Tour/ Celebration/ Annual Sports/ Cultural events etc. Notice for Lost and Found. *Formal/Informal Invitation and Repliesup to 50 words. Practicework forinvitation and Notice. StudentsmaybeaskedtopreparePPTsof FormalandInformalinvitation. PracticeofdraftingInvitationfordifferent occasions and their replies. *Thestudentsmaybeaskedtowritediaryentry onadaywhentheywerenotpreparedfor test. *Collect the data regarding government and NGOs activities to save tigers in India with thehelpofinternetandlibrary. Assessment Tool: Presentation by the students.
UNITTEST-I (As per schedule)				
				• Articlewritingon‗ChildLabour' • Find the personalities and events from the history of sports, music dance etc. which prove that practice makes a man perfect. For example, life of Sachin Tendulkar Sudha Chandran etc

AUGUST2026	**21**	**TheRattrap (Prose)** **A Thing OfBeauty(Poem)** **Indigo(Prose)**	• Letterwriting:LetterBased On Verbal/Visual Input. Applicationforjobwithbio dataorresume.Lettertothe Editorgiving suggestion or opinion on issues of public interest.	Activities; • DocumentaryfilmonGandhijishowing contribution on Indian National Movementmaybeshown.Studentsmay beaskedtowritetheArticlesbasedon the Verbal inputs. • Collect letters to Editors from the columns of newspapers. Understand the tone, style and organization. • Students will write letters to the Editor of a leading newspaper highlightingsocial/political/current issues. Teacher will collect the letters and discuss the content, tone, style, organization coherence etc. of each letter • Browsetheinternettofindoutthe things of beauty and the things that cause suffering and pain. Enlist them and write.
	UNITTEST-II (As per schedule)			
	TERMIEXAMINATION(As per schedule)			
OCTOBER 2026	**25**	• Poetsand pancakes • TheInterview (prose) • ARoadside stand [Poem] • OnthefaceofIt. (Prose)	1. Discussionandpracticeof Unseen passages 2. Discussionandpracticeon Report writing.	• Browseinternettogetmore information regarding film studio history • Collectreports from newspapers and rewritethem.Videos/newspaper clippingsmaybeshowntowrite reports following journalism expressions. • Write an essay on the topic Fortune favours the Brave • Discussion on the Thingsthat hurt disabled people. • Projectworktobeassigned.

NOVEMBER2026	**15**	• AuntJennifer's Tigers (Poem) • Going places • Memoriesof Childhood	Practice and revision of writing skills ASLPractice. Discussion and practice of unseenpassages.Practiceof Notice,Invitation,Lettersand Report writing. Projectworksubmission	• Find the difference of present-day womentoAuntJenniferasdescribed inthepoemAuntJennifer'stigers. • The studentsmay begivenpractice in writingvarioustypesofReports. • Group discussion on Condition of Women inthe contemporary society, GenderDiscrimination • Discussiononthestoriesof marginalized heroes
		PRE-BOARD (As per schedule)		
DECEMBER2026		REVISION		
JANUARY2027		PRE-BOARD II		
FEBRUARY/ MARCH2027		**CBSEEXAMINATION**		

NAVODAYA VIDYALAYA SAMITI
SPLIT P OF SYLLABUS FOR ACADEMIC YEAR 2026-27

CLASS: XII   SUBJECT: MATHEMATICS (041)

UNIT	Name of The Units	No .of Periods	Marks
I	RELATIONS AND FUNCTIONS	30	08
II	ALGEBRA	50	10
III	CALCULUS	80	35
IV	VECTORS AND THREE-DIMENSIONAL GEOMETRY	30	14
V	LINEAR PROGRAMMING	20	05
VI	PROBABILITY	30	08
	TOTAL	240	80

Internal Assessment (20 Marks)

A. **Unit Tests**   **(10 Marks)**
   (Best 2 out of 3 tests conducted)

B. **Mathematics Activities**   **(10 Marks)**
   1. The activities performed by the student throughout the
     year end record keeping   (05 Marks)

   2. Assessment of the activity performed during the year
     end test   (03 Marks)

   3. Viva-voce   (02 Marks)

Note- 1) The teachers can refer NCERT Activity/Lab manual for conducting activities.

2) Teachers may arrange special classes to Complete the syllabus as per given in Split up of Syllabus Schedule.

(Internal Assessment total: 20)

| | **Grand Total** | | **100** |

MONTH	No. of Days	Main topic and sub-topics to be covered	Activities/ Projects/ Practical Experiments to be Held / Specific Assessment Tool(s) (Suggested)	
APRIL / JUNE 2026	25 DAYS	**UNIT I (RELATIONS AND FUNCTIONS)** **CHAPTER 1: RELATIONS AND FUNCTIONS** Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions. **CHAPTER 2: INVERSE TRIGONOMETRIC FUNCTIONS:** Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions. **UNIT II: ALGEBRA** **CHAPTER 3: MATRICES:** Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations 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). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).	<u>Activity -1</u> To demonstrate a function which is one - one not onto <u>Activity - 2</u> To explore the principal value of the function $\sin^{-1}x$ using a unit circle. <u>Activity - 3</u> Word problems based on matrices. Formatting of matrix. Finding the solution by using matrix method.	PERIODIC WRITTEN TEST – I / UT 1
		PERIODIC WRITTEN TEST – I / UT 1 **27-29 APRIL 2026 // 23 - 25 JUNE 2026**		

JULY 2026	**27 DAYS**	**CHAPTER 4: DETERMINANTS:** Determinant of a square matrix (up to 3 x 3 matrices), minors, co- factors and applications of determinants in finding the area of a triangle. Ad joint 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. **UNIT III-CALCULUS** **CHAPTER 5: CONTINUITY AND DIFFERENTIABILITY:** Continuity and differentiability, chain rule, derivatives of inverse trigonometric functions like $sin^{-1}x, \ cos^{-1}x \ and \ tan^{-1}x$, 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.	<u>Activity - 4</u> To find analytically the limit of function f(x) at x= c and also to check the continuity of the function at that point
AUGUST 2026	**24 DAYS**	**CHAPTER 6: APPLICATIONS OF DERIVATIVES:** Applications of derivatives: rate of change of quantities, increasing/decreasing functions, 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).	<u>Activity - 5</u> To Understand the concept of decreasing and increasing functions <u>Activity -6</u> To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner
		PERIODIC WRITTEN TEST – II / UT 2 **10 – 12 AUGUST 2026**	

PERIODIC WRITTEN TEST – II / UT 2

CHAPTER 7: INTEGRALS:

Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them.

$$\int \frac{dx}{x^2 \pm a^2} \,,\, \int \frac{dx}{\sqrt{x^2 \pm a^2}} \,,\, \int \frac{dx}{\sqrt{a^2 - x^2}} \,,\, \int \frac{dx}{ax^2 + bx + c} \,,\, \int \frac{dx}{\sqrt{ax^2 + bx + c}}$$

$$\int \frac{dx}{\sqrt{ax^2 + bx + c}} \,,\, \int \frac{(px + q)}{ax^2 + bx + c} \, dx \,,\, \int \frac{(px + q)}{\sqrt{ax^2 + bx + c}} dx \,,\, \int \sqrt{a^2 \pm x^2} \, dx$$

$$\int \sqrt{x^2 - a^2} \, dx \,,\, \int \sqrt{ax^2 + bx + c} \, dx \,,\, \int (px + q)\sqrt{ax^2 + bx + c} \, dx \,,$$

Fundamental Theorem of Calculus (without proof).
Basic properties of definite integrals and
evaluation of definite integrals.

CHAPTER 8: APPLICATIONS OF THE INTEGRALS:

Applications in finding the area under simple curves, especially lines, circles/parabolas/ellipses (in standard form only).

CHAPTER 9: DIFFERENTIAL EQUATIONS:

Definition, order and degree, general and particular solutions of a differential equation. 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 $dy/dx + p(x)y = q(x)$, where p and q are functions of x or constants. $dx/dy + p(y)x = q(y)$, where p and q are functions of y or constants.

SEPTEMBER 2026   **10 DYAS**   **MID TERM EXAM**

MID TERM EXAM / TERM I EXAM
16 -29 SEPTEMBER 2026

OCTOBER 2026 to NOVEMBER 2026	**20 to 30 DAYS**	**UNIT:IV** **CHAPTER 10: VECTOR ALGEBRA:** 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. **CHAPTER 11: THREE-DIMENSIONAL GEOMETRY:** Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines. **UNIT V** **CHAPTER 12: LINEAR PROGRAMMING:** Introduction, related terminology such as constraints, objective function, optimization, 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).	Activity -7 To verify geometrically that $\vec{c} \times (\vec{a} + \vec{b})$ $= \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$ Activity -8 To demonstrate the shortest distance between two lines. Activity -9 To locate the points to given coordinates in space, measure the distance between two points in space and then to verify the distance using distance formula.	
		UNIT: VI **CHAPTER 13: PROBABILITY:** Conditional probability, multiplication theorem on probability, independent events, total probability theorem, Baye's theorem. Random variable and its probability distribution, mean of random variable	Activity -10 To explain the computation of conditional Probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice.	**PRE BOARD – 1**
		PRE BOARD – 1 **21 NOV 2026 – 03 DEC 2026**		
DECEMBER 2026		REVISION PRE BOARD – II(AS DECIDED BY RESPECTIVE REGIONAL OFFICES)		
JANUARY 2027		REVISION		
FEBRUARY 2027		REVISION CBSE EXAMINATION / AISSCE 2027		

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

Note: The activities listed above are suggestive only. Teachers are advised to refer the Lab Manual for class XII . Throughout the year, any 10 activities shall be performed by the student from the activities given in the NCERT Laboratory Manual for the respective class (XI or XII) which is available on the link:

https://ncert.nic.in/science-laboratory-manual.php?ln=en

NAVODAYA VIDYALAYA SAMITI

Split up of Syllabus (2026-27)

Class: XII   **Subject: Physics (042)**

Unit No	Name of The Chapter/unit	Marks
1	**Electrostatics** Chapter-1: Electric charges and Fields Chapter -2: Electrostatic Potential and Capacitance	16
2	**Current Electricity** Chapter -3: Current Electricity	
3	**Magnetic effects of current and Magnetism** Chapter-4: Moving Charges and Magnetism Chapter-5: Magnetism and Matter	17
4	**Electromagnetic Induction and Alternating Currents** Chapter-6: Electromagnetic Induction Chapter-7: Alternating Currents	
5	**Electromagnetic waves** Chapter-8: Electromagnetic Waves	18
6	**Optics** Chapter-9: Ray Optics and Optical Instruments Chapter-10: Wave Optics	
7	**Dual Nature of Radiation and Matter** Chapter-11: Dual Nature of Radiation and Matter	12
8	**Atoms and Nuclei** Chapter-12: Atoms Chapter-13: Nuclei	
9	**Electronic Devices** Chapter-14: semiconductor Electronics: Materials, Devices and simple circuits	7
	Total Marks	**70**
	Practical/Internal Assessment	30
	Grand Total Marks	**100**

Month	No. of Days	Units/ Subunits/ Topics/ Chapters to be Covered	Details of Activity/ Practical/ Projects to be given	Unit Tests / Assignment
APRIL/MAY/ JUNE- 2026	22	**Unit I: Electrostatics:** **Chapter–1: Electric Charges and Fields** 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). **Chapter–2: Electrostatic Potential and Capacitance** 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 polarization, 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 (no derivation, formulae only **Unit II: Current Electricity:** **Chapter–3: Current Electricity** Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, 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 rules, Wheatstone bridge	**Experiments: 1&2** 1. Determine Resistivity of wires using V-I curve 2. Determine the Resistance of a given wire using Meter bridge. **Activity:1** To assemble the household circuit comprising 3 bulbs, 3 switches, a fuse and a power source	**Assignment - 1** (Related to Electrostatics & Current Electricity)

Month	No. of Days	Units/ Subunits/ Topics/ Chapters to be Covered	Details of Activity/ Practical/ Projects to be given	Unit Tests / Assignment
MAY/JUNE/ JULY- 2026	27	**Unit III: Magnetic Effects of Current and Magnetism** **Chapter–4: Moving Charges and Magnetism** Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to the current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. 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; Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometer, its current sensitivity and conversion to ammeter and voltmeter. **Chapter–5: Magnetism and Matter** Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines. Magnetic properties of Materials- Para-, dia- and ferro - magnetic substances with examples, Magnetization of materials, effect of Temperature on magnetic properties	Experiments: 3&4 3. Verify the laws of combination of R's in series or Parallel using Meter bridge 4. Determine the resistance of a galvanometer by half deflection method and to find its figure of merit Activity:2 To study the variation of potential drop with length of a wire for a steady current	Assignment-2 Based on Magnetic Effects of Current & Magnetism
JULY/AUGUST 2026	21	**Unit IV: Electromagnetic Induction and Alternating Currents** **Chapter–6: Electromagnetic Induction**; Faraday 's laws, induced EMF and current; Lenz 's Law, Self and mutual induction **Chapter–7: Alternating Current:** Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only), resonance. power in AC circuits,	**Experiments: 5&6** (5. Find the refractive index of the material of a glass slab using travelling microscope 6.. Find the focal length of a concave mirror u. v method) **Activity: 3&4** To measure the resistance, voltage	**Assignment-3** (Based on Electromagnetic Induction & Alternating Current)

		power factor, wattles current. AC generator, Transformer **Unit V: Electromagnetic waves** **Chapter–8:** **Electromagnetic Waves** Basic idea of displacement Current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only) Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.	(AC/DC/), Current (AC/DC) and check continuity of a given circuit using multi meter To identify a diode, LED, a resistor and a capacitor from a mixed collection of such items	
SEPTEMBER 2026	12	**Unit VI: Optics** **Chapter–9:** Ray Optics and Optical Instruments Ray Optics: Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and 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 of light through a prism. Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers	**Experiment:7&8** 7. Find the focal length of a convex lens by plotting u-v or 1/u -1/v graph 8. Find the focal length of a concave lens using convex lens – contact method **(As per the availability of apparatus teachers can arrange other experiments from the list given by CBSE)** **Activities: 5** Observe the diffraction of a single slit	**Assignment - 4:** Based on optics
OCTOBER 2026	20	**Chapter–10: Wave optics:** Wave front and Huygen's principle, reflection and refraction of plane waves 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 (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only). **Unit VII: Dual Nature of Radiation and Matter Dual Nature of Radiation and Matter** **Chapter–11: Dual nature of radiation:**	**Activity:6** Observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab	**Assignment - 5:** Based on Wave optics, Dual Nature of Radiation & Matter & Atoms and Nuclei

		Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Experimental study of photoelectric effect. Matter waves-wave nature of particles, de-Broglie relation. **Unit VIII: Atoms And Nuclei** **Chapter–12: Atoms:** Alpha-particles scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in this orbit, of hydrogen line spectra (qualitative treatment only). **Chapter–13: Nuclei**: Composition and size of nucleus, nuclear force Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.		
NOVEMBER 2026	20	**Unit IX: Electronic Devices** **Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits:** Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic semiconductors- p and n type, p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, application of junction diode –diode as a rectifier.	**Project work:** From the given list of CBSE Completion of left over practicals & Activities	**Assignment - 6: Based on Electronic Devices**
		PREBOARD I **(21 NOVEMBER to 03 DECEMBER 2026)**		
DECEMBER 2026	**REVISION** **PREBOARD II**			
JANUARY 2027	**REVISION** **CBSE PRACTICAL EXAMINATION**			
FEBRUARY/ MARCH 2027	**REVISION** **CBSE EXAMINATION**			

PRACTICALS

The record to be submitted by the students at the time of their annual examination has to include:

1. Record of at least 8 Experiments [with 4 from each section], to be performed by the students.

2. Record of at least 6 Activities [with 3 each from section A and section B], to be performed by the students.

3. The Report of the project carried out by the students.

<div align="center">

EVALUATION SCHEME

</div>

MAX. MARKS:30   **Time 3 hours**

Two experiments one from each section	7+7 Marks
Practical record [experiments and activities]	5 Marks
One activity from any section	3 Marks
Investigatory Project	3 Marks
Viva on experiments, activities and project	5 Marks
Total	30marks

<div align="center">

SECTION–A

</div>

Experiments

1) To determine resistivity of two / three wires by plotting a graph for potential difference versus current.

2) To find resistance of a given wire / standard resistor using a metre bridge.

3) To verify the laws of combination (series) of resistances using a metre bridge.

<div align="center">

OR

</div>

To verify the laws of combination (parallel) of resistances using a metre bridge

4) To determine resistance of a Galvanometer by half-deflection method and to find its figure of merit.

5) To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.

<div align="center">

OR

</div>

To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same

6) To find the frequency of AC mains with a Sono meter.

Activities

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 a 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 the refractive index of a glass slab using a travelling microscope.

7. To find the refractive index of a liquid using convex lens and plane mirror.

8. To find the refractive index of a liquid using a concave mirror and a plane mirror.

9. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.

Activities

1. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.

2. Use a multi meter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.

3. To study the effect of intensity of light (by varying distance of the source) on an LDR.

4. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.

5. To observe diffraction of light due to a thin slit.

6. To study the nature and size of the image formed by a (i) convex lens, or (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).

7. To obtain a lens combination with the specified focal length by using two lenses from the given set 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 ofa variation in

3. the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).

4. the distance of an incandescent lamp (of fixed power) used to 'illuminate' the LDR.

5. 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.

6. 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.

7. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow 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 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.

10. To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.

Practical Examination for Visually Impaired Students of Classes XII

Evaluation Scheme

Time 2 hours   Max.Marks:30

Identification/Familiarity with the apparatus	5 marks
Written test (based on given/prescribed practicals)	10 marks
Practical Record	5 marks
Viva	10 marks
Total	30 marks

General Guidelines

1. The practical examination will be of two-hour duration.

2. A separate list of ten experiments is included here.

3. The written examination in practical for these students will be conducted at the time of practical examination of all other students.

4. The written test will be of 30 minutes duration.

5. The question paper given to the students should be legibly typed. It should contain a total of 15 practical skill based very short answer type questions. A student would be required to answer any 10 questions.

6. A writer may be allowed to such students as per CBSE examination rules.

7. All questions included in the question papers should be related to the listed practical. Every question should require about two minutes to be answered.

8. These students are also required to maintain a practical file. A student is expected to record at least five of the listed experiments as per the specific instructions for each subject.

9. These practicals should be duly checked and signed by the internal examiner.

10. The format of writing any experiment in the practical file should include aim, apparatus required, simple theory, procedure, related practical skills, precautions etc.

11. Questions may be generated jointly by the external/internal examiners and used for assessment.

12. The viva questions may include questions based on basic theory/principle/concept, apparatus/ materials/chemicals required, procedure, precautions, sources of error etc.

Prescribed Books:

1. Physics, Class XI, Part-I and II, Published by NCERT.

2. Physics, Class XII, Part-I and II, Published by NCERT.

3. Laboratory Manual of Physics for class XII Published by NCERT.

4. The list of other related books and manuals brought out by NCERT (consider multimedia also).

NAVODAYA VIDYALAYA SAMITI

SPLIT-UP SYLLABUS 2026-27

CLASS –XII   SUBJECT- CHEMISTRY(043)

S.No	Name of the Chapter/ Unit	Marks
1	Solutions	7
2	Electrochemistry	9
3	Chemical kinetics	7
4	d and f block elements	7
5	Coordination compounds	7
6	Haloalkanes and Haloarenes	6
7	Alcohols, Phenols and Ethers	6
8	Aldehydes, Ketones and Carboxylic acids	8
9	Amines	6
10	Biomolecules	7
	Total	**70**

PRACTICALS

Evaluation Scheme	Marks
1. Volumetric Analysis	08
2. Salt Analysis	08
3. Content Based Experiment	06
4. Class Record Book and Viva	04
5. Project work	04
Total	**30**

Month	No. of Days	Main Topic and Sub-Topic to be Covered	Activities/ Projects/ Practical Experiments to be conducted/ Specific Assessment Tools (suggested)
APRIL/ JUNE 2026	22	**Unit 1: Solutions** Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapor pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor	Determination of concentration/ molarity of $KMnO_4$ solution by titrating it against a standard solution of: 1. Oxalic acid, 2. Ferrous Ammonium Sulphate (Students will be required to prepare standard solutions by weighing themselves).
		Unit 2: Electrochemistry Redox reactions, 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, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.	1. Variation of cell potential in $Zn/Zn2+\| Cu2+/Cu$ with change in concentration of electrolytes ($CuSO_4$ or $ZnSO_4$) at room temperature. 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. Dialysis of sol-prepared in (a) above. 3. Study of the role of emulsifying agents in stabilizing the emulsion of different oils.
UNIT TEST – 1 (27-29 APRIL 2026)/(23-25 JUNE 2026)			

Month	No. of Days	Main Topic and Sub-Topic to be Covered	Activities/ Projects/ Practical Experiments to be conducted/ Specific Assessment Tools (suggested)
JULY 2026	27	**Unit 3: 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.	1. Effect of concentration and temperature on the rate of reaction between Sodium Thiosulphate and Hydrochloric acid. 2. Study of reaction rates of any one of the following: (a) Reaction of Iodide ion with Hydrogen Peroxide at room temperature using different concentration of Iodide ions. (b) Reaction between Potassium Iodate, (KIO3) and Sodium Sulphate: (Na2SO3) using starch solution as indicator.
		Unit 4: d and f Block Elements 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 $KMnO_4$. **Lanthanides -** Electronic configuration, oxidation states, chemical reactivity and lanthanide contraction and its consequences. **Actinides -** Electronic configuration, oxidation states and comparison with lanthanides	**Qualitative analysis** **Determination of one anion and one cation in a given salt** **Cations:** Pb^{2+}, Cu^{2+}, Al^{3+}, Fe^{3+}, Mn^{2+}, Ni^{2+}, Zn^{2+}, Co^{2+}, Ca^{2+}, Sr^{2+}, Ba^{2+}, Mg^{2+}, NH_4^{+} **Anions:** CO_3^{2-}, S^{2-}, SO_3^{2-}, $NO2^{-}$, SO_4^{2-}, Cl^{-}, Br^{-}, I^{-}, PO_4^{3-}, CH_3COO^{-}, $C_2O_4^{2-}$ **(Note: Insoluble salts excluded)**

Month	No. of Days	Main Topic and Sub-Topic to be Covered	Activities/ Projects/ Practical Experiments to be conducted/ Specific Assessment Tools (suggested)
AUGUST 2026	21	**Unit 5: Coordination Compounds** Coordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's theory, VBT, and CFT; structure and stereoisomerism, importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).	**Preparation of Inorganic Compounds** 1. Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum. 2. Preparation of Potassium Ferric Oxalate.
		Unit 6: Haloalkanes and Haloarenes **Haloalkanes:** Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions. **Haloarenes:** Nature of C–X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only). Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.	**Tests for the functional groups present in organic compounds** Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups.
		UNIT TEST – II (10-12 AUG 2026)	

Month	No. of Days	Main Topic and Sub-Topicto be Covered	Activities/ Projects/ Practical Experiments to be conducted/ Specific Assessment Tools (suggested)
SEPTEMBER 2026	12	**Unit 7: Alcohols, Phenols and Ethers** **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. **Phenols:** Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols. **Ethers:** Nomenclature, methods of preparation, physical and chemical properties, uses	**Chromatography** 1. Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of Rf values. 2. Separation of constituents present in an inorganic mixture containing two cations only (constituents having large difference in Rf values to be provided).

MID TERM – (16-29 SEP 2026)

Month	No. of Days	Main Topic and Sub-Topic to be Covered	Activities/ Projects/ Practical Experiments to be conducted/ Specific Assessment Tools (suggested)
OCTOBER 2026	20	**Unit 8: Aldehydes, Ketones and Carboxylic Acids** **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. **Carboxylic Acids:** Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses. **Unit 9: Amines** **Amines:** Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines. **Diazonium salts:** Preparation, chemical reactions and importance in synthetic organic chemistry.	**Thermochemistry** **Any one of the following experiments** • Enthalpy of dissolution of Copper Sulphate or Potassium Nitrate. • Enthalpy of neutralization of strong acid (HCI) and strong base (NaOH). • Determination of enthalpy change during interaction (Hydrogen bond formation) between Acetone and Chloroform.

Month	No. of Days	Main Topic and Sub-Topic to be Covered	Activities/ Projects/ Practical Experiments to be conducted/ Specific Assessment Tools (suggested)
NOVEMBER 2026	20	**Unit 10: Biomolecules** **Carbohydrates -** Classification (aldoses and ketoses), monosaccahrides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates. **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. **Nucleic Acids:** DNA and RNA.	**Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given foodstuffs.** **INVESTIGATORY PROJECTS**
		PREBOARD-1 (21 NOVEMBER TO 3 DECEMBER 2026) **PREBOARD – II (DECEMBER 2026/JANUARY 2027)**	
		REVISION (JANUARY 2027)	

PROJECTS

Scientific investigations involving laboratory testing and collecting information from other sources.

A few suggested Projects

a) Study of the presence of oxalate ions in guava fruit at different stages of ripening.
b) Study of quantity of casein present in different samples of milk.
c) Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.
d) Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)
e) Study of digestion of starch by salivary amylase and effect of pH and temperature on it.
f) Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
g) Extraction of essential oils present in Saunf (aniseed), Ajwain (carom), Illaichi (cardamom).
h) Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chili powder and pepper.
Note: Any other investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher.

Practical Examination for Visually Challenged Learners Class XII

Evaluation Scheme	Marks
Identification/ Familiarity with the apparatus	5
Written test (based on given/ prescribed practical's)	10
Practical Record	5
Viva	10
Total	**30**

General Guidelines:

• The practical examination will be of two-hour duration.

• A separate list of ten experiments is included here.

• The written examination in practicals for these students will be conducted at the time of practical examination of all other students.

• The written test will be of 30 minutes' duration.

• The question paper given to the students should be legibly typed. It should contain a total of 15 practical skill based very short answer type questions. A student would be required to answer any 10 questions.

• A writer may be allowed to such students as per CBSE examination rules.

• All questions included in the question papers should be related to the listed practicals

• Every question should require about two minutes to be answered.

• These students are also required to maintain a practical file. A student is expected to record at least five of the listed experiments as per the specific instructions for each subject. These practicals should be duly checked and signed by the internal examiner.

- The format of writing any experiment in the practical file should include aim, apparatus required, simple theory, procedure, related practical skills, precautions etc.

- Questions may be generated jointly by the external/internal examiners and used for assessment.

- The viva questions may include questions based on basic theory/principle/concept, apparatus/materials/ chemicals required, procedure, precautions, sources of error etc.

List of apparatus for identification/familiarity for assessment in practical (All experiments)
Beaker, glass rod, tripod stand, wire gauze, Bunsen burner, Whatman filter paper, gas jar, capillary tube, pestle and mortar, test tubes, tongs, test tube holder, test tube stand, burette, pipette, conical flask, standard flask, clamp stand, funnel, filter paper

Hands-on Assessment
- Identification/familiarity with the apparatus
- Odour detection in qualitative analysis

List of Experiments The experiments have been divided into two sections: Section A and Section B. The experiments mentioned in Section B are mandatory.

SECTION A

A. Surface Chemistry

1. Preparation of one lyophilic and one lyophobic sol
i. Lyophilic sol - starch, egg albumin and gum
ii. Lyophobic sol – Ferric hydroxide

B. Chromatography

Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of Rf values (distance values may be provided).

C. Tests for the functional groups present in organic compounds

1. Alcoholic and Carboxylic groups
2. Aldehyde and Kenotic groups

D. Characteristic tests of carbohydrates and proteins in the given foodstuffs.
E. Preparation of Inorganic Compounds- Potash Alum

SECTION B (Mandatory)
F. Quantitative analysis
1. (a) Preparation of a given volume of the standard solution of Oxalic acid.
   (b) Determination of molarity of KMnO4 solution by titrating it against a   standard solution of Oxalic acid.

2. The above exercise [F 1 (a) and (b)] to be conducted using Ferrous ammonium sulphate (Mohr's salt)

G. Qualitative Analysis
Determination of one anion and one cation in a given salt
Cation: NH_4^+
Anions: CO_3^{2-}, S^{-2}, SO_3^{2-}, Cl^-, CH_3COO^-
(Note: Insoluble salts excluded)
<u>*Note:*</u> *The above practical may be carried out in an experiential manner rather than recording observations.*

NAVODAYA VIDYALAYA SAMITI
SPLIT – UP SYLLABUS 2026 - 27

CLASS: XII   SUBJECT:BIOLOGY(044)

The present curriculum provides the students with updated concepts along with an extended exposure to contemporary areas of the subject. The curriculum also aims at emphasizing the underlying principles that are common to animals, plants and microorganisms as well as highlighting the relationship of Biology with other areas of knowledge. The format allows a simple, clear, sequential flow of concepts. It relates the study of biology to real life through the developments in use of technology. It links the discoveries and innovations in biology to everyday life such as environment, industry, health and agriculture. The updated curriculum also focuses on understanding and application of scientific principles, while ensuring that ample opportunities and scope for learning and appreciating basic concepts continue to be available within its framework. The prescribed syllabus is expected to:

Promote understanding of basic principles of Biology

Encourage learning of emerging knowledge and its relevance to individual and society

Promote rational/scientific attitude towards issues related to population,environment and development. Enhance awareness about environmental issues, problems and their appropriate solutions.

Create awareness amongst the learners about diversity in the living organisms and developing respect for other living beings.

Appreciate that the most complex biological phenomena are built on essentially simple processes.

It Is expected that the students would get an exposure to various branches of Biology in the curriculum in a more contextual and systematic manner as they study its various units.

COURSE STRUCTURE

CLASS XII (THEORY)

Time:3 Hours   Max.Marks:70

Unit No	Title	Marks
VI	**Reproduction**	16
VII	**Genetics and Evolution**	20
VIII	**Biology and Human Welfare**	12
IX	**Biotechnology and its Applications**	12
X	**Ecology and Environment**	10
	Total	70

MONTH	NO OF DAYS	Main Topic and Sub-Topics to be Covered	Activities/ Projects/ Practical Experiments to be Held

APRIL / JUNE 2026	22	**Unit VI-Reproduction:**
		Sexual Reproduction in Flowering Plants:
		Flower structure; Development of male and female gametophytes; Pollination - types, agencies 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, parthenocarpy, poly embryony; Significance of seed dispersal and fruit formation.
		   Human Reproduction:
		
		Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis - spermatogenesis and oogenesis; menstrual cycle; fertilization, embryo development up to blastocyst formation, implantation; pregnancy and placenta formation (elementary idea); parturition (elementary idea); lactation (elementary idea).
		
		  Reproductive health:
		
		Need for reproductive health and prevention of Sexually Transmitted Diseases (STDs); birth control
		- need and methods, contraception and medical termination of pregnancy(MTP); amniocentesis; infertility and assisted reproductive technologies - IVF, ZIFT, GIFT (elementary idea for general awareness).
		UNIT TEST – I (27-29 APRIL 2026)
			Experiments:
			1. Study of pollen germination on a cavity slide
			Spotting:
			1. Study of flowers adapted to pollination
			Exercise on Controlled pollination
			2. Pollen germination on stigma through a permanent slide or scanning electron micrograph. Olabs video (https://youtu.be/4wx3d02eib4)
			3. Study and identify stages of gamete development i.e.
			4. T.S. of testis, T.S. of ovary through permanent slides. Olabs simulation https://bit.ly/3YUWOaU
			5. Study of meiosis through permanent slides
			6. Study of blastula through permanent slide Olabs simulation https://bit.ly/3S04eaBMay

JULY 2026	27	**Unit VII – Genetics and Evolution** **Heredity 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 - haemophilia, colour blindness; Mendelian disorders in humans-thalassemia; chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes. **Molecular basis of Inheritance:** Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central Dogma; transcription, genetic code, translation; gene expression and regulation-lac operon; Genome, Human and rice genome projects; DNA fingerprinting. 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.	**Experiments:** 4. Prepare a temporary mount of onion root tip to study mitosis. Olabs video https://youtu.be/N- **Spotting:** 7. Study of Mendelian inheritance using seeds of different colours of any plant. Olabs simulation https://bit.ly/3S4laMX 8. Study of prepared pedigree charts. Olabs ZZ simulation https://bit.ly/3k5bKV1

AUG UST - 2026	21		**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 – **Unit VIII - Biology and Human Welfare** **Health and disease Pathogens:** Parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ringworm) and their control; Basic concepts of immunology-vaccines;cancer,HIVand AIDS; Adolescence - drug and alcohol abuse.	**Spotting:** 9.Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
			UNIT TEST –II (10-12 AUGUST 2026)	
SEPT EM BER 2026	12		**Microbes in human welfare:** Microbes in food processing,industrial production,sewage treatment, energy generation and microbes as bio-control agents and bio-fertilizers. Antibiotics; production and judicious use. **UnitIX** **Biotechnology-Principles and Processes:**Genetic Engineering (Recombinant DNATechnology).	Experiments: 5.Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.
			TERM I EXAMINATION (16 to 29 SEPTEMBER 2026)	
OCT OBE R 2026	20		**Biotechnology and its Applications:** Application of biotechnology in health and agriculture: Human insulin and vaccine production, stem cell technology, gene therapy; genetically modified organisms-Bt crops;transgenic animals; biosafety issues, biopiracy and patents. **UnitX-Ecology and Environment** **Organisms and environment Population:** Interactions - mutualism, competition, predation, parasitism; population attributes-growth,birth rate and death rate,age distribution. (Topics excluded: Organism and its Environment, Major Abiotic Factors,Responses to Abiotic Factors,Adaptations). **Ecosystem:** Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy(Topicsexcluded:EcologicalSuccessionandNutrient Cycles).	**Experiments:** 2..Study of plant population density by quadrate method. Olabsvideohttps://youtu.be/Fl wR- EGE9zA 3.Study of plant population frequency by quadrate method. Olabsvideohttps://youtu.be/uBYqB NyojMQ **Spotting:** 10.Models specimens showing symbolic association in root nodules of leguminous plants, Cuscuta on host, lichens. 11. Flash cards / models showing examples of homologous and analogous organs.
NOV EM BER 2026	20		**Biodiversity and its Conservation:** Biodiversity - Concept, patterns, importance; loss of biodiversity;biodiversity conservation;hotspots,endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites.	**Submission** 1.Record 2.InvestigatoryProject (
			INVESTIGATORY PROJECT **REVISION**	
			PRE-BOARD-I (21 NOVEMBER -03 DECEMBER 2026)	
DECEMBER2026			**REVISION PRE-BOARD II (AsperNVSSchedule)**	

JANUARY2027			**REVISION** **CBSE PRACTICAL EXAMINATIONS**	
FEBRUARY/ **MARCH2027**			**REVISION** **CBSE EXAMINATIONS**	
AUGUST -2026	21		**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 – **Unit VIII - Biology and Human Welfare** **Health and disease Pathogens:** Parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ringworm) and their control; Basic concepts of immunology-vaccines;cancer,HIVand AIDS; Adolescence - drug and alcohol abuse.	**Spotting:** 9.Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
			UNIT TEST –II (10-12 AUGUST 2026)	
SEPTEMBER 2026	12		**Microbes in human welfare:** Microbes in food processing,industrial production,sewage treatment, energy generation and microbes as bio-control agents and bio-fertilizers. Antibiotics; production and judicious use. **UnitIX** **Biotechnology-Principles and Processes:**Genetic Engineering (Recombinant DNATechnology).	Experiments: 5.Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.
			TERM I EXAMINATION (16 to 29 SEPTEMBER 2026)	
OCTOBER 2026	20		**Biotechnology and its Applications:** Application of biotechnology in health and agriculture: Human insulin and vaccine production, stem cell technology, gene therapy; genetically modified organisms-Bt crops;transgenic animals; biosafety issues, biopiracy and patents. **UnitX-Ecology and Environment** **Organisms and environment Population:** Interactions - mutualism, competition, predation, parasitism; population attributes-growth,birth rate and death rate,age distribution. (Topics excluded: Organism and its Environment, Major Abiotic Factors,Responses to Abiotic Factors,Adaptations). **Ecosystem:** Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy(Topicsexcluded:EcologicalSuccessionandNutrient Cycles).	**Experiments:** 2..Study of plant population density by quadrate method. Olabsvideohttps://youtu.be/Fl wR- EGE9zA 3.Study of plant population frequency by quadrate method. Olabsvideohttps://youtu.be/uBY qBNyojMQ **Spotting:** 10.Models specimens showing symbolic association in root nodules of leguminous plants, Cuscuta on host, lichens. 11. Flash cards / models showing examples of homologous and analogous organs.

NOV EM BER 2026	20		**Biodiversity and its Conservation:** Biodiversity - Concept, patterns, importance; loss of biodiversity;biodiversity conservation;hotspots,endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites.	**Submission** 1.Record 2.InvestigatoryProject (
			INVESTIGATORY PROJECT **REVISION**	
			PRE-BOARD-I (21 NOVEMBER -03 DECEMBER 2026)	
DECEMBER2026			**REVISION PRE-BOARD II (AsperNVSSchedule)**	
JANUARY2027			**REVISION** **CBSE PRACTICAL EXAMINATIONS**	
FEBRUARY/ MARCH2027			**REVISION** **CBSE EXAMINATIONS**	

Time : 03Hours   **Max.Marks: 30**

Evaluation Scheme		Marks
One Major Experiment 5		5
One Minor Experiment 2 & 3		4
Slide Preparation 1 & 4		5
Spotting		7
Practical Record+VivaVoce	(Credit to the student's work over the academic session may be given)	4
Investigatory Project and its Project Record + Viva Voce		5
Total		**30**

A. List of Experiments

1. Prepare a temporary mount to observe pollen germination.
2. Study the plant population density by quadrat method.
3. Study the plant population frequency by quadrat method.
4. Prepare a temporary mount of onion root tip to study mitosis.
5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.

B. Study and observe the following (Spotting)

1. Flowers adapted to pollination by agencies (wind, insects, and birds)
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development,i.e.,T.S.of testis and T.S.of ovary through permanent slides (from grasshopper/mice).
4. Meiosis in onion bud cell or grasshopper testis through permanent slides.
5. T.S.of blastula through permanent slides (Mammalian).
6. Mendelian inheritance using seeds of different colours/sizes of any plant.
7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue,blood groups,ear lobes, widow's peak and colour blindness.
8. Controlled pollination - emasculation, tagging and bagging.
9. Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ring worm through permanentslides,models or virtual images or specimens.Comment on symptoms of diseases that they cause.
10. Models specimens showing symbiotic association in lichens,root nodules of leguminous plants,and parasitic mode of nutrition shown by Cuscuta on host.
11. Flashcards / models showing examples of homologous and analogous organs.

Practical Examination for Visually Impaired Students of Classes XI and XII Evaluation Scheme

Time:02Hours   **Max.Marks: 30**

Topic	Marks
Identification/Familiarity with the apparatus	5
Written test (Based on given/prescribed practicals)	10
Practical Records	5
Viva	10
Total	**30**

General Guidelines:
- The practical examination will be of two-hour duration.A separate list of ten experiments is included here.
- The written examination in practicals for these students will be conducted at the time of practical examination of all other students.
- The written test will be of 30 minutes duration.
- The question paper given to the students should be legibly typed. It should contain a total of 15 practical skill based very short answer type questions.A student would be required to answer any10 questions.
- A writer may be allowed to such students as per CBSE examination rules.
- All questions included in the question paper should berelatedtothelistedpracticals.Everyquestion should require about two minutes to be answered.
- These students are also required to maintain a practical file. A student is expected to record at least five of the listed experiments as per the specifici nstructionsforeachsubject.These practicals should be duly checked and signed by the internal examiner.
- The format of writing any experiment in the practical file should include aim, apparatus required, simple theory, procedure, related practical skills, precautions etc.
- Questions may be generated jointly by the external/internal examiners and used for assessment.
- The viva questions may include questions based on basic theory / principle / concept, apparatus / materials / chemicals required, procedure, precautions, sources of error etc.

Class XII

A. Items for Identification/ familiarity with the apparatus for assessment in practicals

(Allexperiments)Beaker,flask,petriplates,soilfromdifferentsites-sandy,clayey,loamy,small potted plants, aluminium foil, paint brush, test tubes, starch solution, iodine, ice cubes, Bunsen burner/spiritlamp/waterbath,largeflowers,Maizeinflorescence,modelofdevelopmentalstages highlighting morula and blastula of frog, beads/seeds of different shapes/size/texture Ascaris, Cactus/Opuntia (model).

B. List of Practicals
1. Studyof flowersadapted topollination bydifferent agencies(wind, insects).
2. IdentificationofT.Sofmorulaorblastulaoffrog (Model).
3. StudyofMendelian inheritancepattern usingbeads/seeds ofdifferent sizes/texture.
4. Preparation of pedigree charts of genetic traits such as rolling of tongue, colour blindness.
5. Study of emasculation, tagging and bagging by trying out an exercise on controlled pollination.
6. IdentifycommondiseasecausingorganismslikeAscaris(model)and learnsome common symptoms of the disease that they cause.
7. Comment upon the morphological adaptations of plants found in xerophytic conditions.

Note : The above practicals may be carried out in an experientialmanner rather than recording

observations.

Question Paper Design (Theory) Class XII Biology (044) Competencies

Demonstrate Knowledge and Understanding	50%
Application of Knowledge / Concepts	30%
Analyse, Evaluate and Create	20%

Note:

- Typology of questions:VS A including MCQs, Assertion–Reasoning type questions; SA; LAI; LA-II;

Source-based/Case-based/Passage-based/Integratedassessmentquestions.

- An internalchoice of approximately 33% would be provided.

- Suggestive verbs for various competencies.

- Demonstrate Knowledge and Understanding.

- State, name ,list, identify, define, suggest, describe, outline, summarize,etc.

- Application of Knowledge/Concepts.

- Calculate,illustrate,show,adapt,explain,distinguish,etc.

- Analyze,EvaluateandCreate.

- Interpret,analyse,compare,contrast,examine,evaluate,discuss,construct,etc.

Online Resources for Theory and Practicals:

h) VirtualLabshttps://diksha.gov.in/virtuallabs.html)

i) Olabs-https://www.olabs.edu.in/

j) VirtualFlylabhttps://www.sciencecourseware.org/FlyLabJS/

k) BiologyInteractiveresourceshttps://www.biointeractive.org/classroom-resources

l) OnlineMacromolecularMuseumhttps://bit.ly/3YAQ1U0

m) SumanasMultimediaAnimationshttps://bit.ly/3I1XRPj

n) GeneticScienceLearningCenterhttps://learn.genetics.utah.edu/content/labs/

o) DNAInteractivehttp://www.dnai.org/

p) DNAfromthebeginninghttp://www.dnaftb.org/

q) InsideCancerhttp://www.insidecancer.org/

r) YourGenesYourHealthhttp://www.ygyh.org

s) BiologyAnimationshttps://dnalc.cshl.edu/resources/animations/

t) Biology-Livehttp://www.bio-alive.com/animations/biology.htm

u) VirtualCellAnimationshttps://vcell.science/

v) LearnGeneticshttps://learn.genetics.utah.edu/

w) Untamedsciencehttps://untamedscience.com/science-videos-list/

x) Pearsonhttps://untamedscience.com/pearson/

y) Biologyhttps://www.pearson.com/channels/biology

NAVODAYA VIDYALAYA SAMITI
Split up of Syllabus 2026-27

Class: XII   Subject: Accountancy (055)

Units	Name of The Chapter/unit	Marks
Part A: Accounting for Partnership Firms and Companies (60 Marks)		
Unit-1	Accounting for Partnership Firms	36
Unit-2	Accounting for Companies	24
	Total	**60**
Part B: Financial Statement Analysis (20 Marks)		
Unit-3	Analysis of Financial Statements	12
Unit-4	Cash Flow Statement	8
	Total	**20**
Part C: Project Work (20 Marks)		
	Project File	12
	Viva Voce	08
	Total	**20**
Or		
Part B: Computerized Accounting (20 Marks)		
Unit-4	Computerized Accounting	20
Part C: Practical Work (20 Marks)		
	Practical work will include:	
	Practical File	12
	Viva Voce	08
	Total	**20**
Grand Total (A+B+C)		**100**

PART A: ACCOUNTING FOR PARTNERSHIP FIRMS AND COMPANIES			
Month	No. of Days	Main Topic and Sub-topics to be covered	Activities/Projects/ Practical Experiments to be Held/ Specific Assessment Tool (s) suggested
APRIL/JUNE 2026	22	**Unit 1: Accounting for Partnership Firms** • Partnership: features, Partnership Deed. • Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. • Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation account- division of profit among partners, guarantee of profits. • Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio). Note: Interest on partner's loan is to be treated as a charge against profits. • **Goodwill**: meaning, nature, factors affecting, need for valuation and methods of valuation - average profit, super profit and capitalization. adjusted through partners' capital/ current account.	Role Play of students regarding formation of partnership and their agreement Based on previous knowledge
		UNIT TEST I *Syllabus : Partnership: Fundamentals, Goodwill*	
JULY 2026	27	**Reconstitution of Partnership Firms:** • **Change in the Profit Sharing Ratio among the existing partners -** sacrificing ratio, gaining ratio, accounting for revaluation of assets and reassessment of liabilities and treatment of reserves, accumulated profits and losses. 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 reassessment of liabilities, treatment of reserves, accumulated profits and losses, adjustment of capital accounts and preparation of capital, current account and Balance sheet.	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests

AUGUST 2026		• **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 reassessment of liabilities, adjustment of accumulated profits, losses and reserves, adjustment of capital accounts and preparation of capital, current account and 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 and his executor's account.	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests
AUGUST 2026	**21**	• **Dissolution of a partnership firm**: Meaning of dissolution of partnership and partnership firm, types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c (excluding piecemeal distribution, sale to a company and insolvency of partner(s)). **Note:** (i) If the realized value of tangible assets is not given it should be considered as realized at book value itself. (ii) If the realized value of intangible assets is not given it should be considered as nil (zero value). (iii) In case, the realization expenses are borne by a partner, clear indication should be given regarding the payment thereof.	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests
		UNIT TEST II (10-12 AUGUST 2026) *(Syllabus: Change in Profit Sharing Ratio, Admission of a Partner, Retirement of Partner)*	
		Unit-2 Accounting for Companies **Accounting for Share Capital** : • Features and types of companies. • Share and share capital: nature and types • Accounting for share capital: issue and allotment of equity and preferences shares. 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.	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests

SEPTEMBER 2026	12	**Accounting for Share Capital (cont.)** • Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity. • Accounting treatment of forfeiture and reissue of shares. • Disclosure of share capital in the Balance Sheet of a company.	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests
		TERM-I EXAMINATION ***(16-29 SEPTEMBER 2026)*** *Syllabus: Part A (Accounting for Partnership and Companies- only Accounting for Share Capital)*	
OCTOBER/NOVEMBER 2026	20	**Unit-2 Accounting for Companies (Cont.)** **Accounting for Debentures** • Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures issued as collateral security -concept, interest on debentures (concept of TDS is excluded), Writing off discount / loss on issue of debentures. **Note:** Discount or loss on issue of debentures to be written off in the year debentures are allotted from Security Premium Reserve (if it exists) and then from Statement of Profit and Loss as Financial Cost (AS-16)	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests

OCTOBER/NOVEMBER 2026		**Unit 3: Analysis of Financial Statements:**	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests
		Financial statements of a Company:	
		Meaning, Nature, Uses and importance of financial Statement. Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013)	
		Note: Exceptional items, extraordinary items and profit (loss) from discontinued operations are excluded.	
		• **Financial Statement Analysis**:	
		Meaning, Significance Objectives, importance and limitations.	
		• **Tools for Financial Statement Analysis:**	
		Comparative statements, common size statements, Ratio analysis, Cash flow analysis.	
		• **Accounting Ratios**:	
		Meaning, Objectives, Advantages, classification and computation.	
		• Liquidity Ratios: Current ratio and Quick ratio.	
		• Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio, Debt to Capital Employed Ratio.	
		• Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio, Fixed Asset Turnover Ratio, Net Asset Turnover Ratio and Working Capital Turnover Ratio.	
		• Profitability Ratios: Gross Profit Ratio, Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment.	
		Note: Net Profit Ratio is to be calculated on the basis of profit before and after tax	
		OR	
		Computerised Accounting:	
		Overview of Computerised Accounting System	
		• Introduction: Application in Accounting.	
		• Features of Computerised Accounting System.	

		• Structure of CAS. • Software Packages: Generic; Specific; Tailored. Accounting Application of Electronic Spreadsheet: • Concept of electronic spreadsheet. • Features offered by electronic spreadsheet. • Application in generating accounting information - bank reconciliation statement; asset accounting; loan repayment of loan schedule, ratio analysis • Data representation- graphs, charts and diagrams.	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests
OCTOBER/NOVEMBER 2026		**Unit 4: Cash Flow Statement** • Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities • Preparation (as per AS 3 (Revised) (Indirect Method only) Note: (i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax.	
OCTOBER\NOVEMBER 2026		(ii) Bank overdraft and cash credit to be treated as short term borrowings. (iii) Current Investments to be taken as Marketable securities unless otherwise specified. **Note:** Previous years' Proposed Dividend to be given effect, as prescribed in AS-4, Events occurring after the Balance Sheet date. Current years' Proposed Dividend will be accounted for in the next year after it is declared by the shareholders. OR **Using Computerized Accounting System:** • Steps in installation of CAS, codification and Hierarchy of account heads, creation of accounts. • Data: Entry, validation and verification. • Adjusting entries, preparation of balance sheet, profit and loss account with closing entries and opening entries. • Need and security features of the system.	Different assignments can be given to the students to understand the topic through role play method, Quiz, Class Tests, Card based identification of different activities of Cash Flow Statement
		**PRE-BOARD – I (21 NOVEMBER to 3 DECEMBER 2026)** _Syllabus: Complete Syllabus_	

DECEMBER 2026	**15**	**REVISION** Project Work One specific project based on financial statement analysis of a company covering any two aspects from the following: 1. Comparative and common size financial statements 2. Accounting Ratios 3. Segment Reports 4. Cash Flow Statements
JANUARY 2027	**12**	**REVISION** **PRE-BOARD – II** **CBSE PRACTICAL EXAMINATION**
FEB.,/MARCH 2027	**24**	**CBSE EXAMINATION**

Class XII   **Theory: 80 Marks**   **Project: 20 Marks**

S. No.	Typology of Questions	Marks	Percentage
01	**Remembering and Understanding:** Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	**32**	**40%**
02	**Applying:** Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way	**24**	**30%**
03	**Analyzing, Evaluating and Creating:** Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	**24**	**30%**
	Total	**80**	**100%**

NOTE: Any change in the syllabus, if announced by the CBSE during the academic year 2026-27, has to be Incorporated in the split-up syllabus by the concerned teachers accordingly. In this regard Teachers are requested to be in touch with the CBSE website.

NAVODAYA VIDYALAYA SAMITI
Split up of Syllabus 2026-27
Class: XII   Subject: Business Studies (054)

Unit No.	Name of The Chapter/Unit	Marks
Part A	**PRINCIPLES AND FUNCTIONS OF MANAGEMENT**	
1	Nature and significance of Management	
2	Principles of Management	16
3	Business Environment	
4	Planning	
5	Organizing	14
6	Staffing	
7	Directing	20
8	Controlling	
	TOTAL	**50**
Part B	**BUSINESS FINANCE AND MARKETING**	
1	Financial Management	
2	Financial Markets	15
3	Marketing	
4	Consumer Protection	15
	TOTAL	**30**
Part C	**Project Work (One)**	
1	Project File	12
2	Viva	08
	TOTAL	**20**

		PART A: PRINCIPLES AND FUNCTIONS OF MANAGEMENT	
Month	**No of Days**	**Main Topic and Subtopics to be covered**	**Activities/ Projects/ Practical/ Experiments to be held/ Specific Assessment Tools suggested**
APRIL/JUNE 2026	**22**	**Unit 01 – Nature and significance of Management** • Management - Concept, meaning of 'Effectiveness and Efficiency objectives, and importance. • Management as Science, Art and Profession. • Levels of Management: Role of top, middle and lower levels of management. • Management functions - planning, organizing, staffing, directing and controlling • Coordination – concept, characteristics and importance **Unit 02 – Principles of Management** • Principles of Management - Concept and significance • Fayol's principles of management • Taylor's Scientific management - principles and techniques • Compare the contributions of Fayol and Taylor. **Unit 03 – Business Environment** • Business Environment - Concept and Importance. • Various Dimensions of Business Environment - Economic, Social, Technological, Political and Legal • Demonetization - concept and features	Project work, Quiz, Mind map, Class Tests, Crossword Puzzles, Case Studies, Role Play
		UNIT TEST–I **(27-29 April/23-25 June 2026)** *Syllabus: Nature and Significance of Management, Principles of Management*	
JULY 2026	**27**	**Unit 04 – Planning** • Concept, importance and limitation • Planning process • Type of Plan: Single use and standing plans. Objectives, Strategy, Policy, Procedure, method Rule, budget and Programme. **Unit 05 – Organizing** • Organizing – Concept (as a structure and as a process) and importance. • Organizing process • Structure of organization – functional and divisional concept, advantages, disadvantages and suitability of functional and divisional structure • Formal and informal organization- concept, advantages and disadvantages of formal and informal organisation • Delegation: concept, elements and importance	Quiz, Mind map, Class Tests, Crossword Puzzles, Case Studies, Role Play

		• Decentralization: concept and Importance, Differentiate between delegation and decentralization **Unit 06 – Staffing** • Concept and importance of staffing, • Staffing as a part of Human Resource Management (specialized duties and activities performed by Human Resource Management) concept, • Staffing Process: Steps	

AUGUST 2026	**21**	**Unit 06 – Staffing (Cont.)**
		• Recruitment Process:-Meaning, Various sources of recruitment, merits and demerits of internal and external sources of recruitment.
		• Selection Process: Meaning, steps involved in the process of selection
		    Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training, Differentiate between training and development
		    Unit 07 – Directing
		• Concepts and importance of directing
		• Elements of directing.
		• 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
			Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play

		UNIT TEST–II (10-12 AUGUST 2026) *Syllabus: Business Environment, Planning and Organizing*	
SEPTEMBER 2026	**12**	**Unit 08 – Controlling** • Concept and importance, • Relationship between planning and controlling, • Controlling Process: Steps in process of control	Quiz, Mind map, Class Tests, Cross word Puzzles, Case Studies, Role Play
		TERM- 1 EXAMINATION **(16 to 29 SEPTEMBER 2026)** *Syllabus: Unit 01 to Unit 08 (Nature and Significance of Management to Controlling)*	

OCTOBER\NOVEMBER 2026	**20**	**Unit 09 – Financial Management** • Concept, role and objectives of Financial Management • Financial decisions: investment, financing and dividend- Meaning and factors affecting • Financial Planning – concept and Importance and objectives. • Capital Structure – concept and factors affecting capital structure. • Fixed and Working Capital – Concept and factors affecting their requirements **Unit 10 – Financial Markets** • Financial Markets: Concept, and type • Money Markets: Concept, • Capital market and its types (primary and secondary) • Differentiate between capital market and money market., Distinguish between primary and secondary markets • Stock Exchange – Meaning, Functions and trading procedure, meaning of depository services and demat account as used in the trading procedure of securities • Securities and Exchange Board of India (SEBI)- objectives and functions **Unit 11 – Marketing** • Marketing – Concept, Features, functions and philosophies	Project work, Quiz, Mind map, Class Tests, Crossword Puzzles, Case Studies, Role Play
OCTOBER\NOVEMBER 2026		**Unit 11 – Marketing (Cont.)** • Marketing Mix – Concept and elements • Product - concept of product as an element of marketing mix, branding, labelling and packaging – Concept • Price- concept of price as an element of marketing mix, Factors determining price of a product. • Physical Distribution – concept, components and various channels of distribution. Promotion – concept of promotion as an element of marketing mix, and elements; Concept of Advertising, Personal Selling, Sales Promotion and Public Relations **Unit. 12 – Consumer Protection** • Concept and importance of consumer protection • The Consumer Protection Act, 2019: Scope, Meaning of consumer, Rights and responsibilities of consumers, who can file a complaint? Redressal machinery, Remedies available Source: http://egazette.nic.in/WriteReadData/2019/210422.pdf	Project work, Quiz, Mind map, Class Tests, Crossword Puzzles, Case Studies, Role Play Practice of Sample Papers and Practice Tests

		Consumer awareness - Role of consumer organizations and Non- Governmental Organizations (NGOs)	
		PRE-BOARD- I **(21 November to 03 December 2026)** *Syllabus: Complete Syllabus*	
DECEMBER 2026		**REVISION**	
JANUARY 2027		**REVISION** **PRE-BOARD-II** **CBSE PRACTICAL EXAMINATION**	
FEB./MARCH 2027		**CBSE EXAMINATION** **(As per CBSE Schedule)**	

SUGGESTED QUESTION PAPER PATTERN BY CBSE
SUBJECT-BUSINESS STUDIES (054)

Class XII   **Theory: 80 Marks**   **Project: 20 Marks**

S. No.	Typology of Questions	Marks	Percentage
01	**Remembering and Understanding:** Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	**32**	**40%**
02	**Applying:** Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way	**24**	**30%**
03	**Analyzing, Evaluating and Creating:** Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	**24**	**30%**
	Total	**80**	**100%**
NOTE: - Any change in the syllabus, if announced by the CBSE during the academic year 2026-27, has to be Incorporated in the split – up syllabus by the concerned teachers accordingly. In this regard Teachers are requested to be in touch with the CBSE website.			

NAVODAYA VIDYALAYA SAMITI

CLASS:XII   SUBJECT: GEOGRAPHY (029)

Sl. No.	NAME OFTHE UNITS/CHAPTERS	ALLOTTED MARKS
1	Fundamentals of Human Geography	30
2	India-People and Economy	30
3	Practical Working Geography–Part II	25+3+2=30
4	Map Work from Fundamentals of Human Geography	5
5	Map work from India-People and Economy	5
	Total	100 Marks

Practical Work in Geography

The practical exam is vital for boosting your overall percentage and is divided as follows:

- **Unit 1: Data-its source and Compilation:** 18 Marks (often includes Data Processing)
- **Unit 2: Graphical Representation of Data / Spatial Information Tech:** 7 Marks
- **Practical Record Book and Viva Voce:** 5 Marks
- **Total Practical: 30 Marks**

Exam Pattern Highlights

- **MCQs:** Expect about 17 questions of 1 mark each.
- **Source-based:** 2 questions (3 marks each) requiring analysis of a provided text or data.
- **Short & Long Answers:** Ranging from 3 to 5 marks.
- **Map Questions:** 10 marks total (5 for World, 5 for India).

MONTH	Main topic and subtopics to be covered	Activities/projects/ practical
APRIL/JUNE 2026	**Fundamentals of Human Geography Unit I** Chapter 1 Human Geography Nature and Scope Chapter 2 The World Population: Distribution, Density and Growth **India: People and Economy Unit I** Chapter 1 Population: Distribution, Density, Growth, and Composition **Fundamentals of Human Geography Unit II & III** Chapter 3 Human Development	Activity: Debate & Discussion on Naturalization of Humans and Humanization of Nature.
	UNIT TEST I (27-29 APRIL 2026)	
JULY /May 2026	**Fundamentals of Human Geography Unit II & III** Chapter 4 Primary Activities **India: People and Economy Unit II** Chapter 2 Human Settlement **Fundamentals of Human Geography Unit III** Chapter 5 Secondary activities **India: People and Economy Unit III** Chapter 3 Land Resources and Agriculture	Practical Working Geography II 1.Data–Its Source and Compilation
AUGUST2026	**India: People and Economy Unit III** Chapter 3 Resources Chapter 5 Minerals and Energy Resources **Fundamentals of Human Geography Unit III** Chapter 6 Tertiary and Quaternary Activities	Practical Working Geography - II 2.Data Processing
	UNIT TEST –II (10-12 AUGUST 2026)	
SEPTEMBER2026	**India: People and Economy Unit III & Unit IV** Chapter 6 Planning and Sustainable Development in Indian Context Chapter 7 Transport and communication **Fundamentals of Human Geography Unit III** Chapter 7 Transport, Communication and Trade.	Practical Work Geography – II 3.Graphical Representation of Data
	TERM I EXAMINATION (16to29 SEPTEMBER 2026)	

OCTOBER \NOVEMBER 2026	**Fundamentals of Human Geography Unit III** Chapter 8 International Trade **India: People and Economy Unit IV** Chapter 8 International Trade	Practical Work Geography – II 4.SpatialInformation Technology
OCTOBER \NOVEMBER 2026	**India: People and Economy Unit V Chapter 9 Geographical Perspective On Selected Issues and Problems.** 1. **Map Work on identification of features based on 1-5 units on the outline Physical/Political map of World.** 2. **Map work on locating and labeling of features based on above units on outline map of India.**	
	PRE-BOARD –I (21 NOVEMBER to 03 DECEMBER 2026)	
DECEMBER 2026 **PRE-BOARD II**	INTERNAL ASSESSMENT PROJECT WORK REVISION	
JANUARY 2027	**REVISION**	
FEBRUARY/ MARCH2027	**REVISION CBSE** **EXAMINATION**	

SUGGESTEDCLASSROOMACTIVITIES:-

- Group Discussion Or Debate
- Map Practice
- Graph And Data Interpretation
- Focus On Local Area Resources & Environment
- Assertion And Reasoning
- Case Based Questions
- Matching Exercises
- Competency Based Questions
- Other Relevant Activities

Note: Any changes in the syllabus, if announced by CBSE during the academic year 2025-26, have to be incorporated into the split-up syllabus by the concerned teachers and Principal accordingly. In this regard, Principals and teachers will always remain in touch with CBSE and its website. Art integrated activities must be integrated with the teaching-learning process.

CLASS: XII   **SUBJECT: ECONOMICS (030)**

Units	Main Topic and Sub topics to be covered	Marks	Periods (As per CBSE)
Part-A	**Introductory Macroeconomics**		
	National Income and Related Aggregates	10	30
	Money and Banking	06	15
	Determination of Income and Employment	12	30
	Government Budget and the Economy	06	17
	Balance of Payments	06	18
		40	**110**
Part-B	**Indian Economic Development**		
	Development Experience (1947-90) and Economic Reforms since 1991	12	28
	Current Challenges facing Indian Economy	20	50
	Development Experience of India – A Comparison with Neighbours.	08	12
		40	**90**
	Theory Paper (Total)	**80**	**200**
Part-C	**Project Work**	20	20
	Grand Total	**100**	**220**

MONTH	NO. OF DAYS	Main Topics and Sub topics to be covered	Activities/ Projects / Practical/ Experiments to be held/ Specific Assessment Tool(s) suggested.
APRIL/JUNE 2026	22	**Unit 1: National Income and Related Aggregates:** What is Macroeconomics? Basic concepts in Macroeconomics: Consumption goods, Capital goods, final goods, intermediate goods, stocks and flows, Gross investment and depreciation. Circular flow of income (two sector model), Methods of calculating National Income- Value Added or Product method, Expenditure method, Income method. Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP)- at market price, at factor cost, Real and Nominal GDP, GDP and Welfare. **Unit 2: Money and Banking** Money - meaning and functions, supply of money- Currency held by the public and net demand deposits held by commercial banks.	**Mind map, PPT Presentation. Quiz Selection of topic for project work** **Competency based questions** Collection of different denominations available in India since independence.
		UNIT **TEST-***I* *27-29 April 2026 (For all Ros Except RO Hyd)* *23-25 June 2026 (For RO Hyderabad)* *Syllabus :* **Unit 1:National Income and Related Aggregates** **Unit 2: Money and Banking:** Money - meaning and functions, supply of money- Currency held by the public and net demand deposits held by commercial banks.	

JULY 2026	27	Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Government's Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement. **Unit 3: 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 (Fiscal measures& monetary measures). **Unit 4: Government Budget and the Economy** Government budget-meaning, objectives and components. Classification of receipts-revenue receipts and capital receipts.	Collection of material relates to project and review of literature Case study on impact and effect of Quantitative tools on credit control in the economy. Practice numerical solutions
AUGUST 2026	21	Classification of expenditure-revenue expenditure and capital expenditure. Balanced, Surplus and Deficit Budget- measures of government deficit. **Unit 5: Balance of Payments** Balance of payments account-meaning and components. Balance Of Payments-Surplus and Deficit Foreign exchange rate- meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate. Managed Floating exchange rate system. **Unit 6: Development Experience (1947-90) and Economic Reforms since 1991:** A brief introduction of the state of Indian economy on the eve of independence.	Application oriented questions Debate Value based questions. Case study and Assertion question relates to deficit budget. Collection of data for project work Competency based questions
		UNIT TEST-II (10-12 Aug 2026) *Syllabus.* Unit 3: Determination of Income and Employment Unit 4: Government Budget and the Economy Unit 5: Balance Of Payments.	

12	Indian economic system and common goals of Five- Year Plans. Main features problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR-1956, Small Scale Industries-role and importance) and foreign trade. Economic Reforms since 1991: Features and appraisals of liberalization, Globalization and privatization (LPG policy). Concepts of demonetization and GST.	Analysis of project data Debate, quiz Application oriented questions
	TERM-I EXAMINATION (16 to 29 SEPTEMBER 2026) Syllabus: Unit- I to Unit- VI	
20	Unit 7: Current Challenges facing Indian Economy Human Capital Formation: How people become resource, Role of human capital in economic development, Growth of Education Sector in India. Rural Development: Key issues-credit and marketing-role of cooperatives, agricultural diversification, alternative farming-Organic farming- benefits and shortcomings. Employment: Growth and changes in work force participation rate in formal and informal sectors, problems and policies. Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming. Unit 8: Development Experience of India: A comparison with neighbours: India and Pakistan India and China Issues: economic growth, population, Sectoral development and other Human Development Indicators. Preparation of project work (Syllabus should be completed by 15 November 2026) PRE BOARD EXAM – I (100% SYLLABUS) 21 Nov 2026 to 03 Dec 2026	Findings, policy Recommendati on s and conclusion of project work Case study competency-based question MCQ Case study competency-based question MCQ Art integrated techniques. Practice of Sample Questions.
15	REVISION PRE-BOARD–II **Regional Offices may decide the dates	
	REVISION CBSE PRACTICAL EXAMINATION	

REVISION CBSE EXAMINATION

SUGGESTED QUESTION PAPER PATTERN BY CBSE ECONOMICS

(030)

CLASS XII

Marks: 80   **Duration:3 hrs.**

S. No	Typology of Questions	Marks	Percentage
1	Remembering and Understanding: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	44	55%
2	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	18	22.5%
3	Analyzing, Evaluating and Creating: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations. Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Compile information together in a different way by combining elements in a new Pattern or proposing alternative solutions.	18	22.5%
	Total	80	100%

NAVODAYA VIDYALAYA SAMITI

Split-up of syllabus for the academic session 2026-27

CLASS: XII   SUBJECT: HISTORY (027)

Unit No.	Name of The Chapter/ Unit	Marks
01- Themes in Indian HistoryPart-1	1. Bricks, Beads and Bones	25
	2. Kings, Farmers and Towns	
	3. Kinship, Caste and Class	
	4. Thinkers, Beliefs and Buildings	
02- Themes in Indian HistoryPart-2	5. Through the Eyes of Travelers	25
	6 Bhakti–Sufi Traditions	
	7 An Imperial Capital: Vijayanagara	
	8 Peasants, Zamindars and the State	
03- Themes in Indian HistoryPart-3	9 Colonialism and The Country side	25
	10 Rebels and the Raj	
	11 Mahatma Gandhi and the Nationalist Movement	
	12 Framing the Constitution	
	MAP WORK	5
	TOTAL	80
	INTERNAL ASSESSMENT / PROJECT WORK	20
	GRAND TOTAL	100

Month	NO. of Working Days	Main Topic and Sub Topic to be covered	Activities/Project/Practical Experiments to be Held/ Specific Assessment Tools (suggested)
APRIL/MAY/ JUNE 2026	24	**1-Bricks, Beads and Bones – The Harappan Civilization** 1. Beginnings 2. Subsistence Strategies 3. Mohenjo-Daro planned Urban Centre 4. Tracking Social Differences 5. Craft Production 6. Procuring Materials 7. Seals, Scripts, Weight 8. Ancient Authority 9. The End of the Civilization 10. Discovering the Harappan Civilization 11. Problems of Piecing Together the Past	**-Map practice of Harppan sites**: Harppa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Maohenjodaroh, Chnah-udaro, Kotdiji -Quiz -Toy making - Excursion -Project Guidelines allotment for final topic for project work
		2-Kings, Farmers and Towns – Early States and Economics (C.600 BCE – 600 CE) 1. Prinsep and Piyadasi 2. The Earliest States 3. An Early Empire 4. New Notions of Kingship 5. Changing Countryside 6. Towns and Trade 7. How are Inscriptions Deciphered?	Map practice of early states and their capitals -Quiz -Visit to nearby Historical Museum or site -Map practice of mahajanpadas quiz on subtopics
JULY 2026	27	**3-Kinship Caste and Class-Early societies (C.600BCE-600CE)** 1. The critical addition of Mahabharata 2. Kinship and marriage: Many rules and varied practices 3. Social differences: Within and beyond the framework of caste 4. Beyond birth resources and status 5. Explaining social differences: A social contract 6. Handing text, Historians and the Mahabharat	-Role play based on the story of - Mahabharata -Quiz -Group discussion -Shlok singing with meaning(From Mahabharata)

		4-Thinkers Beliefs and buildings **Cultural developments (C.600 BCE-600CE)** 1. A Glimpse of Sanchi 2. The backgrounds: Sacrifices and Debates 3. Beyond worldly pleasure, the message of Mahaveera 4. The Buddha and quest for enlightenment 5. The teaching of the Buddha 6. Followers of the Buddha 7. Stupas 8. "Discovering" Stupas, The Faiths of Amaravati and Sanchi 9. Sculpture 10. New Religious Traditions 11. Can we "SEE" everything	-Map practiceImportant Buddhist sites - Planning and data collection for project work - Quiz - Role play/ Short drama - Heritage tour
		5-Through the eyes of travelers **Perceptions of society (C 10 to 17th century)** 1. Al-Biruni and the kitab-ul Hind 2. Ibn Battuta and Rihla 3. Francois Bernier, a doctor with a difference Making sense of an alien world, Al Biruni and the Sanskrit tradition Ibn Battuta and the excitement of the unfamiliar Bernier and the degenerated East Women, slavessati and Laboure's	-Map identification - Quiz -Role play(discussion between travelers in time machine)
AUGUST 2026	24	**6-Bhakti- Sufi Traditions** **Changes in Religious beliefs and devotional tests eight to eighteen century** 1. A mosaic of Religious beliefs and practices 2. Poems of prayer: Early traditions of bhakti 3. The ViraShaiva tradition in Karnataka 4. Religious ferment in North India 5. New strands in the fabric Islamic Traditions 6. The growth of Sufism 7. The Chishti's in the subcontinent 8. New devotional path dialogue and dissent Northen India 9. Reconstructing of Histories of religious traditions	-Visit of nearby temple or Religious place - Quiz -Singing of devotional compositions
		UNIT Test-II (10ᵗʰto 12ᵗʰ August 2026)	

UNIT Test-II (10th to 12th August 2026)

		7-Imperial capital – Vijayanagar (C14th to 16th century) 1. The discovery of humpy 2. The Rayas,nayakas and Sultan 3. Vijayanagara the capital and its environments 4. The royal center 5. The secret center 6. Plotting palaces temples and bazaars 7. Questions in search of answers	-Map practice -Quiz -Observation of various cultural activities during Mahanavami&Dussehra
		8- Peasants, Zamindar and the stated Agrarian Society and the Mughal Empire (C16 to17 century) 1 Peasant and agriculture production 2 The believe community 3 Women in agrarian society 4 Forest and tribes 5 TheZamindars 6land revenue system 7 The flow of silver 8The Ain-i-Akbari of AbulFazal	-Map practice of the areas of Mughal Empire - Quiz -A survey of nearest village and tribal area
September 2026	12	**9-Colonialism and the countryside exploring official archives** 1. Bengal and the zamindar 2. The hoe and plough 3. The revolt of countryside: the Bombay Deccan 4. The Deccan riots commission	-Map practice -Quiz -Collection and discussion of official reports
		TERM-I EXAMINATION -16thto 29thSeptember 2026	
October 26/ November26	31	**10-Rebels and the Raj the report of 1857 and its representations** Pattern of the rebellion Avadh in revolt What's the Rebel wanted Repression of revolt Images of revolt Map practice Quiz Recitation of poem Jhansi Ki Rani Skit on freedom fighters life	-Quiz -Prepare folder on leaders of 1857 with photographs - Recitation of poem Jhansi Ki Rani

		11- Mahatma Gandhi and the nationalist movement Civil disobedient and beyond 1. A leader announces himself 2. The making and unmaking of Non cooperation 3. The Salt Satyagraha study 4. Quit India movement 5. The last heroic days Knowing Gandhi	-Quiz -Skit on Dandi march -Map practice of major sites of Gandhian movement -Timeline
	12	12-Framing the constitution The beginning of New Era 1. Tumultuous time 2. The vision of the constitution 3. Defining rights 4. The power of States 5. The language of the nation	-Quiz on Indian constitution - Mock Parliament -Data analysis and interpretation for project work Map work
		Pre Board -I (21th Nov To 03rd Dec 2026)	
December26		Internal Assessment/Project work, Revision PRE BOARD -II (tentative)	
January 27		Revisions, Project work	
Feb /March 27		CBSE Examination	

NAVODAYA VIDYALAYA SAMITI

CLASS: XII   SUBJECT: INFORMATICS PRACTICES (065)

MAX. MARKS: 100 (70 Theory + 30 Practical) Distribution of Marks		
Unit No	UNIT NAME	MARKS (THEORY)
1	Data Handling using Pandas and Data Visualization	25
2	Database Query using SQL	25
3	Introduction to Computer Networks	10
4	Societal Impacts	10
	Project	–
	Practical	30
	TOTAL	**100**

MONTH	NO. OF DAYS	Weightage of Marks for Unit/	Units/ Subunits/ Topics/ Chapters to be Covered	Details of Activity/ Practical Projects
APRIL/JUNE 2026	22	25	**Unit 1: Data Handling using Pandas and Data Visualization Data Handling using Pandas – I** • Introduction to Python libraries – Pandas, Matplotlib. • Data Structures in Pandas – Series and DataFrames • Series: Creation of Series from–ndarray, dictionary, scalar value; mathematical operations; Head ( ) and Tail ( ) functions; Selection, Indexing, and Slicing.	Practice of topics and Practical Programs. Activities as specified in NCERT Textbook.
			UNIT TEST-1 **27-29 April 2026 (For All ROs except RO,Hyd)** **23-25 June 2026 (For RO Hyderabad)**	

JULY 2026	**27**	**Continue…**	• Data Frames: creation – from the dictionary of Series, list of dictionaries, Text / CSV files; display; iteration; • Operations on rows and columns: add, select, delete, rename; • Head and Tail functions; • Indexing using Labels, Boolean Indexing. • Importing / Exporting Data between CSV files and Data Frames.	The practice of topics and Practical programs. Activities as specified in NCERT Textbook.
AUGUST 2026	**21**	**25**	**Data Visualization** • Purpose of plotting; drawing and saving the following types of plots using Matplotlib – line plot, bar graph, and histogram. • Customizing plots: adding labels, titles, and legend in plots. **Unit 2: Database Query using SQL** Revision of database concepts and SQL commands covered in class XI • Math functions: POWER( ), ROUND( ), MOD( ) • Text functions: UCASE( )/ UPPER( ), LCASE( )/ LOWER( ), MID( ) / SUBSTRING( ) / SUBSTR(), • LENGTH( ), LEFT( ), RIGHT( ), INSTR( ), LTRIM( ), RTRIM( ), TRIM( ).	The practice of topics and Practical Programs using SQL command and functions. Project work.
			UNIT TEST II [10-12 AUGUST 2026]	
SEPTEMBER 2026	**12**	**continue…**	• Date Functions: NOW(), DATE(), MONTH(), MONTHNAME( ), YEAR( ), DAY( ), DAYNAME(). • Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT ( ); using COUNT (*). • Querying and manipulating data using Group by, Having, Order by. • Working with two tables using equi-join.	The practice of topics and Practical programs using SQL command and functions.
TERM I EXAMINATION (16 to 29 SEPTEMBER 2026)				

OCTOBER 2026/ NOVEMBER 2026	20	10	**Unit 3: Introduction to Computer Networks** • Introduction to networks, Types of networks: PAN, LAN, MAN, WAN. • Network Devices: modem, hub, switch, repeater, router, gateway • Network Topologies: Star, Bus, Tree, Mesh • Introduction to Internet, URL, WWW, and its applications – Web, email, Chat, VoIP. • Website: Introduction, the difference between a website and webpage, static vs dynamic web page, web server, and hosting of a website. • Web Browsers: Introduction, commonly used browsers, browser settings, add-ons, plug-ins, cookies.	Activities as specified in the NCERT Textbook
OCTOBER 2026/ NOVEMBER 202		10	**Unit 4: Societal Impacts** • Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR). • Plagiarism, licensing and copyright, free and open- source software (FOSS) • Cybercrime and cyber laws, hacking, phishing, cyberbullying, • An overview of the Indian IT Act. • E-waste: hazards and management. • Awareness about health concerns related to the usage of technology.	Visit of different kind of Browsers and Websites Project Work
			PRE-BOARD 1 (21 NOVEMBER TO 3 DECEMBER 2026)	
DECEMBER 2026			**REVISION, PROJECT WORK PRE-BOARD II*** **[RO may decide the dates of PB-II]**	
JANUARY 2027			**REVISION, FINALISATION OF PROJECT &** **CBSE PRACTICAL EXAMINATION**	
FEBRUARY / MARCH 2027			**REVISION** **BOARD EXAM as per schedule provided by CBSE**	

S.No.	Unit Name	Marks
1	Programs using Pandas and Matplotlib	8
2	SQL Queries	7
3	Practical file (minimum of 15 programs based on Pandas, 4 based on Matplotlib, and 15 SQL queries must be included)	5
4	Project Work (using concepts learned in classes XI and XII)	5
5	Viva–Voce	5
	Total	**30**

Suggested Practical List
Data Handling

1. Create a panda's series from a dictionary of values and a ndarray
2. Given a Series, print all the elements that are above the 75th percentile.
3. Create a Data Frame quarterly sales where each row contains the item category, item name, and expenditure. Group the rows by the category and print the total expenditure per category.
4. Create a data frame for examination result and display row labels, column labels data types of each column and the dimensions
5. Filter out rows based on different criteria such as duplicate rows.
6. Importing and exporting data between pandas and CSV file

Visualization

1. Given the school result data, analyses the performance of the students on different parameters, e.g. subject wise or class wise.
2. For the Data frames created above, analyze, and plot appropriate charts with title and legend.
3. Take data of your interest from an open source (e.g. data.gov.in), aggregate and summarize it. Then plot it using different plotting functions of the Matplotlib library.

Data Management

1. Create a student table with the student id, name, and marks as attributes where the student id is the primary key.
2. Insert the details of a new student in the above table.
3. Delete the details of a student in the above table.
4. Use the select command to get the details of the students with marks more than 80.
5. Find the min, max, sum, and average of the marks in a student marks table.
6. Find the total number of customers from each country in the table (customer ID, customer Name, country) using group by.
7. Write a SQL query to order the (student ID, marks) table in descending order of the marks.

MAX. MARKS: 100 (70 Theory + 30 Practical) **Distribution of Marks and Periods**		
Unit No	**Name of The Chapter/ unit**	**Marks**
I	Computational Thinking and Programming - 2	40
II	Computer Networks	10
III	Database Management	20
	Total	**70**
	Practical	**30**
	Grand Total	**100**

Practical:

S.No	Unit Name	Marks (Total=30)
1	Lab Test: 1. Python program (60% logic + 20% documentation + 20% code quality)	8
	2. SQL queries (4 queries based on one or two tables)	4
2	Report file: • Minimum 15 Python programs. • SQL Queries – Minimum 5 sets using one table / two tables. • Minimum 4 programs based on Python – SQL connectivity	7
3	Project (using concepts learnt in Classes 11 and 12)	8
4	Viva voce	3

Month.	No. of Days	Weightage of Marks	Units/Subunits/Topics/Chapters to be Covered	Details of Activity/Practical/ Projects
April/ June	22	40 MARKS	**UNIT : 1** **Computational Thinking and Programming – 2** ***Revision of Python topics covered in Class XI.*** **Functions:** • types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope) **Exception Handling:** Introduction, handling exceptions using try-except-finally blocks	Revision of all concepts of Python programming taught in class XI i.e. Strings, Conditional statements, iterative statement, list, tuples, dictionaries and Predefined functions in random module, math module etc Python programs to implement Functions, passing parameters and returning values.
JULY	27		**Introduction to files**: types of files (Text file, Binary file, CSV file), relative and absolute paths Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file	Python programs to open and close the file, read write and append to a file. Python program to implement text files and binary files. Projects can be assigned with data file handling.
AUGUST	21		**Introduction to files** (Continued….) • Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file,import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file.	Python programs to implement Binary file.

			Introduction to files….. cont…..	
SEPTEMBER	**12**	**10 MARKS**	• CSV file: import csv module, open / close csv file, write into a csv file using csv.writer() and read from a csv file using csv.reader( ) **Data Structure:** • Stack, operations on stack (push & pop), implementation of stack using list. **Unit II: Computer Networks** • Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) • Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) • Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves), • Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card)	Python programs to implement CSV file. Python programs to implement Stack using lists Different Devices used in networking can be shown to the students. Network topologies implemented in the school can be described.

OCTOBER/NOVEMBER	**20**	**20 MARKS**	• **Network topologies and Network types:** types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) • **Network protocol:** HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP • **Introduction to web services:** WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting **Unit III:** **Database Management** **Database concepts:** introduction to database concepts and its need • **Relational data model:** relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key) • **Structured Query Language:** introduction, Data Definition Language and Data Manipulation Language, • data type (char(n), varchar(n), int, float, date), • constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, • operators (mathematical, relational and logical), • aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete Command.	Hands on Networking and various type of topology. Installation of Mysql and hands on practicals on various queries on DDL and DML commands. Demonstrating the students to install a suitable connector for connecting databases with python. Projects can be assigned to students to implement applications mentioned in the practical section below.

			Unit III: **Database Management Database concepts**: (Continued…..) aggregate functions (max, min, avg, sum, count), group by, having clause Joins: cartesian product on two tables, equi-join and natural join **Interface of python with an SQL database:** connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	Programs on connecting python with sql and executing the queries through python programs and printing the result with various fetch methods.

OCTOBER/NOVEMBER

NOTE : 100% Syllabus should be completed by 15.11.2026

Suggested Practical List:

Python Programming

- Read a text file line by line and display each word separated by a #.
- Read a text file and display the number of vowels/consonants/uppercase/lowercase characters in the file.
- Remove all the lines that contain the character 'a' in a file and write it to another file.
- Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.
- Create a binary file with roll number, name and marks. Input a roll number and update the marks.
- Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).
- Write a Python program to implement a stack using list.
- Create a CSV file by entering user-id and password, read and search the password for given user id.

Database Management

- Create a student table and insert data.

Implement the following SQL commands on the student table:

- ALTER table to add new attributes / modify data type / drop attribute
- UPDATE table to modify data
- ORDER By to display data in ascending / descending order
- DELETE to remove tuple(s)
- GROUP BY and find the min, max, sum, count and average
- Similar exercises may be framed for other cases.
- Integrate SQL with Python by importing a suitable module.

Suggested Reading Material

- NCERT Textbook for COMPUTER SCIENCE (Class XII)
- Support Materials on the CBSE website.

Project

- The aim of the class project is to create something that is tangible and useful using Python file handling/ Python-SQL connectivity. This should be done in groups of two to three students and should be started by students at least 6 months before the submission deadline. The aim here is to find a real world problem that is worthwhile to solve. Students are encouraged to visit local businesses and ask them about the problems that they are facing. For example, if a business is finding it hard to create invoices for filing GST claims, then students can do a project that takes the raw data (list of transactions), groups the transactions by category, accounts for the GST tax rates, and creates invoices in the appropriate format. Students can be extremely creative here. They can use a wide variety of Python libraries to create user friendly applications such as games, software for their school, software for their disabled fellow students, and mobile applications, of course to do some of these projects, some additional learning is required; this should be encouraged. Students should know how to teach themselves. The students should be sensitised to avoid plagiarism and violations of copyright issues while working on projects. Teachers should take necessary measures for this.