NEW ERA PUBLIC SCHOOL

Syllabus (2026-27)

Class XI

Subject - English Core (301)

Prescribed Book (NCERT) :

Hornbill

Snapshots

Month	Category	Topic Title	Learning Objective
April	Literature (Poem)	A Photograph	To identify poetic devices and reflect on the transience of human life versus the permanence of nature.
	Literature (Prose)	The Portrait of a Lady	To analyze character evolution and evaluate the emotional impact of generational shifts within a family.
	Grammar	Gap Filling (Tenses)	To apply appropriate verb forms accurately in context to ensure grammatical cohesion.
	Writing	Speech	To organize ideas logically and use persuasive language to address a specific audience effectively.
May	Literature (Prose)	The Summer of the Beautiful White Horse	To evaluate the conflict between personal desire and the ethical values (integrity/honor) of a community.
	Grammar	Sentence Reordering	To demonstrate understanding of syntax and sentence structure for clear communication.
	Internal Assessment	Listening Skills	To develop the ability to process, interpret, and synthesize information from oral presentations.
July	Literature (Prose)	We're Not Afraid To Die...If We Can All Be Together	To assess the role of mental fortitude, teamwork, and crisis management in extreme survival scenarios.
	Literature (Prose)	The Address	To reflect on the psychological impact of war, the futility of material attachment, and the necessity of closure.

Month	Category	Topic Title	Learning Objective
	Literature (Poem)	The Laburnum Top	To interpret the symbiotic relationship between living beings and the concept of life returning to silence.
	Grammar	Transformation of Sentences (Passive Voice)	To master the shift in focus from the doer to the action, enhancing formal writing style.
	Reading	Note making and Summarising	To develop skills in distilling vast information into concise, structured notes and coherent summaries.
August	Literature (Prose)	Discovering Tut: The Saga Continues	To synthesize scientific data with historical narratives and understand modern forensic archaeology.
	Literature (Poem)	The Voice of the Rain	To understand the cyclical nature of life and the transformative power of nature through personification.
	Writing	Debate	To formulate logical arguments and counter-arguments using evidence-based reasoning.
September	Internal Assessment	Speaking Skills	To enhance verbal fluency, confidence, and the ability to articulate complex thoughts clearly.
	Writing	Classified Advertisement	To practice concise and functional writing aimed at achieving specific communicative goals.
	Writing	Poster Making	To combine visual design with brief text to spread social awareness or provide information.
	Assessment	**Mid Term Exams**	**To evaluate comprehensive understanding of the syllabus covered in the first term.**
October	Literature (Prose)	The Adventure	To evaluate the intersection of history and science (Quantum/Catastrophe Theory) through speculative fiction.
	Literature (Play)	Mother's Day	To critique social structures and advocate for the dignity of labor and emotional respect within a family.
	Literature (Prose)	Silk Road	To describe travel experiences using vivid imagery and understand the significance of physical/spiritual journeys.

Month	Category	Topic Title	Learning Objective
November	Literature (Poem)	Father to Son	To analyze the breakdown of communication in modern relationships and the desire for reconciliation.
	Literature (Prose)	Birth	To examine professional ethics, the value of perseverance, and the miracle of selfless dedication.
December	Literature (Satire)	The Tale of Melon City	To analyze political satire and the irony of governance based on blind adherence to tradition.
January & February	**Revisions for FINAL EXAMINATION**		

Class - XI
Subject: Mathematics

Prescribed Book:

1. **Mathematics for Class XI – NCERT**

S.No.	Month	Topic	Subtopic	Learning Objectives
1.	**April**	**CH-1** **Sets** **CH-8** **Sequence and Series** **Activity**	• Sets & their representations • Empty set, finite & infinite sets, equal sets, subsets • Subsets of real numbers with intervals. • Universal set • Venn diagrams • Operations on sets (union, intersection and difference of sets) • Complement of a set, Properties of Complement. • Introduction • Sequences and Series 1)To find the number of subsets of a given set and verify that if a set has *n* number of elements, then the total number of subsets is 2^n. 2)To represent set theoretic operations using Venn diagrams. 3)To verify distributive law for three given non – empty sets A,B and C that is **A ∪ (B ∩ C) = (A ∪ B) ∩ (A∪ C).**	• To understand the concept of sets and their elements. • To define and differentiate between sets, subsets, and universal sets. • To identify and apply different operations on sets, including union, intersection, and complement. • To apply the concept of Venn diagram to understand the relationship between sets. • To differentiate between sequence and series.
2.	**May**	**CH-8** **Sequence and Series(continued)**	• Geometric Progression (G.P.)	• To identify the given sequence is G.P or not. • To find the nth term and sum of n terms of G.P.

			• Relationship Between A.M. and G.M. • Infinite G.P	• To solve the problems based on relation between AM and GM. • To find the sum of infinite terms of a G.P.
		CH-4 Complex Numbers	• Need for complex numbers, especially $\sqrt{-1}$ to be motivated by inability to solve some of the quadratic equations. • Algebra of Complex Numbers. • The Modulus and the Conjugate of a Complex Number • Argand plane	• To understand and define complex number in the standard form. • To apply the operations of complex numbers. • To find the conjugate and modulus of a complex number. • To visualize and plot complex numbers on 2D plane.
		Activity	4) To prove that the Arithmetic mean of two different positive numbers is always greater than their Geometric mean.	
3.	**July**	**CH-3 Trigonometric Functions**	• Introduction (positive and negative angles) • Angles (Degree measure and radian measure and conversion from one measure to another) • Definition of trigonometric functions using unit circle, signs of trigonometric functions. • Domain and range of trigonometric functions and their graphs. • Trigonometric functions of sum and difference of two angles • Identities related to sin2x, cos2x, tan2x, sin3x, cos3x and tan3x.	• To understand the concept of angles in degrees and radians. • To understand and apply signs of trigonometric functions in different quadrants. • To identify the domain and range of the trigonometric functions. • To apply the trigonometric identities in solving the problems.
		CH-6 Permutation and Combination	• Fundamental principle of counting, factorial notation • Permutations and its application • Formulae of ${}^{n}P_{r}$ and ${}^{n}C_{r}$ and their connections • Combinations and its simple applications	• To apply the concept of fundamental principle of counting. • To calculate the factorial of a number. • To apply the concept of permutation to solve the problems. • To differentiate between permutation and combination. • To apply the concept of combinations to solve the problems.

4.	**August**	**CH-11 Introduction of Three Dimensional Geometry** **CH-13 Statistics** **Activity**	• Co-ordinate axes and co-ordinate planes in three dimensions. • Co-ordinates of a point in space. • Distance between two points • Measures of dispersion • Range and Mean deviation • Variance • Standard deviation of ungrouped/grouped data 5) To Find the number of ways in which three cards can be selected from the given five cards. **Revision for Mid Term Examination**	• To understand the three-dimensional coordinate system. • To calculate the distance between two points • To understand the need of measure of dispersion. • To differentiate between range and mean deviation and standard deviation. • To calculate the variance and standard deviation for grouped data and ungrouped data.
5.	**September**	**CH-5 Linear Inequalities** **CH-9 Straight Lines**	• Introduction to linear inequalities. • Algebraic solutions of linear inequalities in one variable and their representation on the number line. • Introduction. Slope of a line. • Conditions for two lines to be parallel and perpendicular. Angle between two lines. • Various forms of equations of lines: parallel to axes, point-slope form, slope - intercept form, two - point form, intercept form.	• To understand the concept of linear inequalities in one variable. • To solve linear inequalities in one variable and represent it on number line. • To find the slope and use it to check whether lines are perpendicular or parallel. • To find the angles between two lines. • To write the different form of equations of lines.
6.	**October**	**CH-9 Straight Lines** **CH-14 Probability**	• General equation of a line. • Distance of a point from a line, distance between two parallel lines. • Random experiments, outcomes, Sample spaces.	• To find the distance between two parallel lines. • To find the perpendicular distance from a given point on a line. • To understand the concept of random experiments and outcomes.

			• Events, occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events. Axiomatic approach, connections with the theories of earlier classes. • Probability of an event, probability of 'not an event', 'not', 'and'& 'or' events.	• To define the sample space of an experiment. • To distinguish between equally likely and non- equally likely events. • To calculate the probability of an event using classical approach. • To apply the concept of probability to real life problems.
		CH-7 **Binomial Theorem** **Activity**	• Introduction, statement of the binomial theorem for positive integral indices. • Pascal's triangle. • Simple applications. 6) To write the sample space when a die is rolled once, twice,_ _ _ _ _ 7) To verify the addition theorem on probability, ie., **P(A∪B) = P(A) + P(B) − P(A∩ B)**	• To understand the pascal triangle • To expand the expression $(a+b)^n$ and $(a-b)^n$ using binomial theorem. • To apply the expansions of $(a+b)^n$ and $(a-b)^n$ in solving questions.
7.	**November**	**CH-10** **Conic Sections**	• Sections of cone: circle, ellipse, parabola and hyperbola • Standard and general equations of a circle • Standard equations & simple properties of parabola & ellipse. • Standard equation of hyperbola	• To identify and distinguish between circles, parabolas, ellipses, and hyperbolas based on their equations and visual shapes. • To understand and apply standard equations of circles to find the radius and centre. • To understand and apply standard equations of parabolas and ellipse to find the focus, vertex, axis, directrix and length of latus rectum.
		CH-2 **Relations & 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. • Definition of relation, pictorial diagrams, domain, codomain & range of a relation.	• To write the cartesian product of two sets • To find the domain and range of a relation.

		Activity	• Function as a special type of relation from one set to another. • Pictorial representation of a functions. 8) To verify that for two sets A and B, n (A×B) = pq and the total number of relations from A to B is 2^{pq}, where n(A) = p and n(B) = q.	• To differentiate between relation and function.
8.	**December**	**CH – 2 Relations & Functions (continued)** **CH-12 Limits & Derivatives** **Activity**	• Real valued functions, domain & range of these functions, constant, identity, polynomial, rational, modulus, signum & greatest integer functions and their graphs. (graphs of x^2, x^3,1/x etc.). • Sum, difference, product and quotient of functions. • Introduction, limit of a function. • Existence of limit of a function at a point. • Limits of polynomial, rational and trigonometric functions • Limits of exponential and logarithmic functions • Definition of derivative. Relate it to slope of tangent of the curve. • Derivatives of sum and difference of functions. 9) To distinguish between a Relation and a Function. 10) To find $\lim_{x \to c} f(x) = \frac{x^2 - c^2}{x - c}$ analytically.	• To define the domain, co-domain and range of a function. • To define various types of functions. • To apply operations on functions in questions. • To understand the concept of a limit of a function. • To find the limits of polynomial and rational functions. • To understand the concept of left-hand and right – hand limits. • To understand the concept of derivatives as rate of change. • To find the derivative of simple algebraic functions.
9.	**January**	**CH – 12 Limits & Derivatives (continued)**	• Product rule, Quotient rule, Chain rule. • Derivative of polynomial and trigonometric functions. • Derivative of Exponential and Logarithmic functions • Logarithmic Differentiation • Derivative of functions in parametric form	• To apply basic derivative rules for standard functions. • To differentiate trigonometric, exponential and logarithm functions. • To differentiate functions using properties of logarithm. • To find the derivative of functions in parametric form.
10.	**February**		**Revision for Annual Examination**	

Inclusive syllabus for Formative Assessment

Topic	Subtopic	Month
Sets	• Practical problems on Union and Intersection of two sets.	April
Sequence and Series	• Formulae for the special sums $\sum_{k=1}^{n} k, \sum_{k=1}^{n} k^2, \sum_{k=1}^{n} k^3$	May
Trigonometric Functions	• General solution of trigonometric equations of the type $sin\, y = sin\alpha, cosy = cos\alpha$ and $tany = tan\alpha$	July
Binomial Theorem **Introduction of 3 Dimensional Geometry** **Principle of Mathematical Induction**	• General and middle term of binomial expansion. • Section Formula • Process of the proof by induction • The principle of mathematical induction • Simple applications	August
Linear Inequalities	• Graphical solutions of linear inequalities in two variables. • Graphical method of finding a solution of system of linear inequalities in two variables.	October

Syllabus (2026-27)

CLASS XI

Subject: Economics (030)

Prescribed Books:

1. Statistics for economics: V.K.Ohri, T.R.Jain
2. Introductory Microeconomics: Sandeep Garg

MONTH	Chapter/unit	Content	Learning Outcome:
APRIL	Unit:4 INTRODUCTORY MICROECONOMICS	Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how, and for whom to produce; Concept of production possibility frontier and opportunity cost.	• Examine the foundation of an economy and inquire about the basic economic problems • Explain the nature, scope, and methodology of economics and find out the difference between microeconomics and macroeconomics • Discuss the three central problems of an economy and how it • determines the resource allocation-what, how, and for whom to produce • Analyse and explain the opportunity cost. • Describe the movement along a PPC and shift in the economy's PPC to the right or left caused by changes in resources, technology
	Unit:5 THEORY OF CONSUMER BEHAVIOUR	Ch 2- consumer's equilibrium - meaning of total and marginal utility, Law of diminishing marginal utility, Conditions of consumer's equilibrium using marginal utility analysis.	• Define the concepts of total utility and marginal utility. • Explain the law of diminishing marginal utility with suitable examples. • Analyse the conditions of consumer's equilibrium using marginal utility analysis. • Develop the ability to interpret consumer choice and satisfaction in practical situations
MAY	Unit:1 INTRODUCTION TO	Definition of economics, meaning and importance of	• Define economics and explain its scope. • Understand the meaning and importance of

	STATISTICS Unit: 2 COLLECTION OF DATA	statistics, distrust of statistics Sources of data - primary and secondary, how the basic data is collected, with concepts of sampling, methods of collecting the data	statistics in economics. • Analyse the role of statistics in economic activities and decision-making. • identify the limitations and possible misuse of statistics. • develop critical thinking towards the interpretation of statistical data.
JULY	Unit: 5 CONSUMER EQUILIBRIUM PROJECT DEMAND AND ELASTICITY OF DEMAND	Indifference curve analysis of consumers equilibrium - the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve and indifference map) and the conditions of consumer's equilibrium Introduction of the project Demand, market demand, determinants of the demand, demand schedule, demand curve and its slope, movement along and shift in the demand curve; Price elasticity of demand - factors	• Explain the concept of consumer's budget, budget set, and budget line. • understand consumer preferences through indifference curves and indifference maps. • analyse the properties of indifference curves. • Determine the consumer's equilibrium using indifference curve analysis. • apply the concepts of the budget line and the indifference curve to explain consumer choice behaviour • Define the concepts of demand and market demand. • identify the determinants of demand and analyse their impact on consumer demand. • prepare and interpret demand schedules and demand curves. • distinguish between movement along the demand curve and a shift in the demand curve. • Explain the meaning of price elasticity of demand and the factors affecting it.

		affecting price elasticity of demand; Measurement of the price elasticity of the demand percentage - change method	• Calculate price elasticity of demand using the percentage change method.
	Unit: 2 ORGANISATION OF DATA	Meaning and types of the variable and frequency distribution Tabular	• Understand the concept and purpose of frequency distribution. • Organise raw data into tabular form for better interpretation. • develop skills in presenting and analyse data systematically
AUGUST	Unit: 2 PRESENTATION OF DATA	Diagrammatic presentation of data: 1) geometric forms (bar diagrams and Pic diagrams) 2) frequency diagrams (histograms, polygons, and ogives) project follow-up	• Construct and interpret bar diagrams and pie diagrams. • prepare frequency diagrams such as histograms, frequency polygons, and ogives. • Analyse data through graphical representation for better understanding.
	Unit: 6 PRODUCER'S BEHAVIOUR AND SUPPLY	Supply, market supply, determinants of supply, supply schedule, supply and its slope, movements along and shifts in the supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage change method	• Define the concepts of supply and market supply. • identify the determinants of supply and analyse their impact on producers' decisions. • distinguish between movements along the supply curve and shifts in the supply curve. • explain the meaning of price elasticity of supply and the factors affecting it. • calculate price elasticity of supply using the percentage change method.
SEPTEMBER	Unit: 3 MEASURES OF	Mean, weighted mean, combined mean, correction of mean, practice	• Calculate simple mean, weighted mean, combined mean, and corrected mean.

	CENTRAL TENDENCY	questions	• Apply appropriate methods of calculating mean in different situations. • Develop problem-solving and analytical skills through practice questions.
Revision for Mid Term Exam			
OCTOBER	Unit: 3 POSITIONAL AVERAGE	Median and mode	• Calculate median and mode for individual, discrete, and continuous series. • Develop problem-solving and analytical skills through practice questions.
	Unit: 7 FORMS OF MARKET AND PRICE DETERMINATION	Perfect competition - features Determination of the market equilibrium and the effects of the shifts in the demand and supply. Simple applications of tools of demand and supply: price ceiling and price floor.	• Identify and explain the features of perfect competition. • Understand the process of market equilibrium • Analyse the effects of shifts in demand and supply on equilibrium price and quantity. • Explain the concepts of price ceiling and price floor as government interventions. • Develop analytical skills to interpret changes in market conditions with case study-type questions
NOVEMBER	Unit: 6 PRODUCER'S BEHAVIOUR AND SUPPLY	Production function: short run and long run total product, average product and Marginal product and returns to a factor	• Define the concept of production function. • Distinguish between short-run and long-run production. • Analyse the relationship between total, average, and marginal product. • Understand the law of returns to a factor and its stages.
		Cost and revenue: short run costs - total costs, total fixed costs, total variable costs; average costs, average variable costs, average fixed costs and marginal cost meaning and relationships.	• Define the concepts of cost and revenue in production. • Distinguish between total cost, total fixed cost, and total variable cost. • Calculate average cost, average fixed cost, average variable cost, and marginal cost.

		Revenue - total, average, and marginal revenue and their relationships. Producers' equilibrium - meaning and conditions in terms of the marginal revenue - marginal cost.	• Analyse the relationship between different types of costs in the short run. • Understand the behaviour of cost curves • analyse the relationship between different types of revenue in different market conditions. • define the meaning of producer's equilibrium. • explain the conditions of producer's equilibrium • determine the level of output at which a producer earns maximum profit.
DECEMBER	Unit: 3 MEASURES OF CORRELATION INDEX NUMBERS	Karl Pearson's coefficient of correlation and Spearman's rank Correlation Index number - simple aggregative method and the price relative method Weighted aggregative method Project completion	• Calculate Karl Pearson's coefficient of correlation. • Compute Spearman's rank correlation for ranked data. • Interpret the degree and direction of correlation between variables. • calculate index numbers using the simple aggregative method and price relative method. • compute weighted index numbers using the weighted aggregative method.
JANUARY	**Revision for Annual Exam**		

Syllabus (2026-27)
Class : XI
Subject : Legal Studies

Prescribed book: Legal Studies NCERT

Months	Chapters	Activity	Learning outcomes
April	Unit 1 Chapter 1- Concept of State Chapter 2- Forms and Organs of government	• "Design Your Own State" Simulation • Create a "Democracy Health Index"	1. Explain the essential elements of a State and differentiate it from a nation and government. 2. Compare different forms of government and evaluate their suitability in diverse socio-political contexts. 3. Analyse the roles and functions of the Legislature, Executive, and Judiciary in governance. 4. Assess how power distribution impacts democratic functioning.
May	Unit 1 Chapter 3- Separation of powers	• Mock Constituent Assembly debate • Power Balance Chart- Healthy Democracy Meter	1. Describe the doctrine of separation of powers and its constitutional relevance. 2. Examine checks and balances among the three organs of government. 3. Critically evaluate instances of judicial activism and executive dominance. 4. Analyse constitutional crises using real-life or simulated case studies.
July	Unit 2 Chapter 1- Salient Features of the Constitution of India Chapter 2- Administration Law	• Visit to Court (District Court/ Tees Hazari)- Court Visit Reflection Journal • Legal Studies project work	1. Identify and explain the salient features of the Constitution of India. 2. Interpret constitutional principles in real-world legal situations. 3. Evaluate administrative actions using principles of natural justice.

August	Unit 3 Chapter 1- Jurisprudence, nature and meaning of law Chapter 2- Classification of Laws Chapter 3- Sources of Law	• "What is Law?" Philosophical Corners • Custom vs Statute Debate	1. Explain the meaning and nature of law from different jurisprudential perspectives. 2. Differentiate between various classifications of law (civil/criminal, public/private, etc.). 3. Formulate reasoned arguments about the relationship between law and morality.
September	Revision Unit 3 Chapter 4- Law Reforms		1. Explain the need and process of legal reforms in a democratic society. 2. Analyse the social impact of significant legal amendments. 3. Evaluate whether law reforms effectively address societal challenges.
October	Unit 3 Chapter 5- Cyber laws, safety and security Unit 4 Chapter 1- Judiciary: Constitutional, Civil and Criminal Courts and Processes	• Expert talk • Cyber Crime Investigation Simulation	1. Identify different types of cybercrimes and corresponding legal provisions. 2. Apply legal reasoning to resolve simulated cybercrime scenarios. 3. Differentiate between constitutional, civil, and criminal court jurisdictions. 4. Trace the procedural stages of a case from filing to appeal. Evaluate the role of judiciary in safeguarding fundamental rights in digital spaces.
November	Unit 4 Chapter 1- Judiciary: Constitutional, Civil and Criminal Courts and Processes (CONTD.) Unit 5 Chapter 1- Institutional Framework- Marriage and Divorce	• Moot Court • Counselling vs. Courtroom comparison	1. Distinguish between various levels of courts and their jurisdictional authority. 2. Analyse judicial reasoning through case law discussions or moot court simulations. 3. Explain the legal framework governing marriage and divorce in India. 4. Evaluate the balance between personal laws and constitutional principles.

			5. Apply legal principles to resolve family law disputes through mediation or court processes.
December	Unit 5 Chapter 2- Child Rights Chapter 3- Adoption Chapter 4- Property, Succession and Inheritance	• Research and presentation work	1. Assess the legal procedure and ethical considerations involved in adoption. 2. Differentiate between inheritance and succession under various legal frameworks. 3. Analyse property disputes using relevant legal provisions. 4. Demonstrate sensitivity towards vulnerable groups while applying legal reasoning.
January	Unit 5 Chapter 5- Prevention of Violence against women	• Gender Sensitivity Workshop	1. Identify legal safeguards available against various forms of violence. 2. Analyse the effectiveness of existing laws in ensuring gender justice. 3. Interpret procedural mechanisms such as protection orders and FIR registration.
February	Revision	• Legal Escape Room	1. Integrate concepts from different units to analyse complex legal problems. 2. Apply constitutional principles to hypothetical scenarios. 3. Demonstrate structured legal reasoning (Issue–Rule–Analysis–Conclusion). 4. Critically evaluate competing legal arguments in simulated court settings.

Syllabus (2026-27)
Class: XI
Subject: Sociology

Prescribed books:

- **BOOK 1: Introducing Sociology (NCERT)**
- **BOOK 2: Understanding Society (NCERT)**
- **Additional Support Material provided by DoE, CBSE**

Month	Chapters	Activity	Learning Outcomes
April	**BOOK 1:** **Chapter 1:** Sociology and Society + Suggestions for Project Work	• Text Interpretation • In-text Activities: Classroom Discussion and Debate	**BOOK 1:** **Chapter 1:** The student understands, recognizes, interconnects and analyses the different concepts, for example: • How the study of Sociology reflects upon the connection between a personal problem and a public issue. • Sociology studies human society as an interconnected whole and the development of sociology as a discipline. • Growth and scope of Sociology in India and the relationship of sociology with other social sciences. • The concept of society and how societies are unequal in nature. • The difference between sociology and common-sense knowledge. • Critical Thinking: Develop the ability to question “taken-for-granted” assumptions about society.

May	**Chapter 1:** Sociology and Society (Contd.) **Chapter 2:** Terms, Concepts and their use in Sociology + Instruction for Project Work and Format explanation.	• Flow Chart: Diagrammatic Representation of Terms and Concepts • Project File	**Chapter 1: (Contd.)** • Methodological awareness: Understanding the empirical methods and systematic approaches sociologists use to study human interactions and large-scale social institutions. • Analysing social change: Building the capacity to observe, interpret and analyse contemporary social processes. **Chapter 2:** The student will grasp and examine the importance of a sociological understanding of the terms and concepts of Sociology, for example: • Concepts of social groups and society, different types of groups, social stratification, caste and class, status and role and role stereotyping, society and social control. • Conceptual Clarity: Apply sociological concepts to understand social behavior and structures. **Project Work:** • **Methodological Understanding:** Understand the basics of sociological research and data interpretation.

July	**Chapter 3:** Understanding Social Institutions **Chapter 4:** Culture and Socialization	• PPT Designing/ Pictorial Collage Designing • Project File	**Chapter 3:** Students will be introduced to reflect upon the social institutions prevalent in society: • The concept of family as a social institution and how families are linked to other social spheres, marriage and forms of marriage, norms of marriage and kinship. • The concept of work and economic life, modern forms of work and division of labour. • The political institutions, state, religion and education as social institutions. • Diversity Awareness: Appreciate the diversity in Indian society, including caste, class, and religion. **Chapter 4:** Students will be familiarized with culture and socialization in diverse settings, theoretically and empirically: • Dimensions of culture, cognitive and normative aspects of culture, material aspect of culture, culture and identity and Ethnocentrism. • Socialization, agencies of socialization, family, peer groups, schools, mass media, other socializing agencies, socialization and individual freedom and gendered socialization.

August	**BOOK 1:** **Chapter 4:** (Contd.) Culture and Socialization **BOOK 2:** **Chapter 2:** Social Change and Social Order in Rural and Urban Society	• Discussion: Activity excerpts in-text • Oral Evaluation • Study of in-text Visual Resources and Pictorial Representations	**Chapter 4: (Contd.)** • Social structure, stratification and social processes, social structure and stratification. • Social processes in sociology, cooperation and division of labour, competition as an idea and practice, conflict and cooperation. • **Analytical Skills:** Interpret social life and understand the complexity of social processes.

			BOOK 2: **Chapter 2:** Students will be able to critically reflect on how social change and social order is distinct in rural and urban society: • Impact of social change on environment, technology and economy, politics, culture, social order, contestation, crime and violence.
September	**Revision for Mid-Term Examinations**		

October	**Chapter 2:** (Contd.) Social Change and Social Order in Rural and Urban Society **Chapter 4:** Introducing Western Sociologists	• Discussion: Activity excerpts • In-text Analysis: Biography of Sociologists • Oral Evaluation	**Chapter 2: (Contd.)** • A reflection and understanding on how social order and change are distinctly different in in village, town and city. **Chapter 4:** Students will be introduced to the theoretical insights of western sociologists in the making of the sociological subject matter: • The role played by the Enlightenment, the French Revolution, the Industrial Revolution in giving rise to sociology in the western context. • Karl Marx and class struggle.
November	**Chapter 4:** Introducing Western Sociologists **Chapter 5:** Indian Sociologists + Written Tests and Project Work	• In-text Analysis: Biography of Sociologists • Project File	**Chapter 4: (Contd.)** • Emile Durkheim's vision of sociology, division of labour in society. • Max Weber and interpretive sociology and bureaucracy. **Chapter 5:** Students will be able to grasp the contributions of Indian sociologists to the growth of sociology in pre- and post-colonial India: • G.S. Ghurye on caste and race. • D.P. Mukerji on tradition and change.

December	**Chapter 5:** Indian Sociologists (Contd.) + Written Tests and Project Work	• In-text Analysis: Biography of Sociologists • Project File	**Chapter 5: (Contd.)** • A.R. Desai on the welfare state and its myths. • M.N. Srinivas on the village.

January	Open book assignments **Project File and Viva:** Analysis of Ethnographic Data	• Individual presentations • Oral Evaluation • PPT making	
February	**Revision for Annual Examinations:** Book 1 + Book 2 Open book Assignments	• Text interpretation and writing practice • Content evaluation	

Syllabus (2026-27)
Class : XI
Subject : Fashion studies

Prescribed Books: -
Book -1 Fashion Studies (NCERT)
Book -2 Employability Skills (NCERT) +Additional Material given by CBSE

Months	Topics	Activities	Learning outcomes	
April	**BOOK -1 –FASHION STUDIES** **CHAPTER 1Overview of Fashion** 1.1 Understanding Fashion 1.2 Factors Influencing Fashion • Economics factors • Psychological factors • Social & Cultural factors • Textiles **CHAPTER 3 - Design Fundamentals** 3.1 Design, Designer and Design Process Designer Design concept The Design process 3.2 Elements of Design	**Practical -1-** Theories of the Fashion Cycle in the relevance of the theories to contemporary fashion **Practical- 9** **Observe and analyse the Selected area and identify the Elements of design.** **1**.Design develop by points and	Students will be able to explain the concept and meaning of fashion. • Define fashion and explain its meaning in society. • Identify factors influencing fashion trends. • Understand the role of a designer and the design process.	

	• Point • Line Vertical, horizontal, Curved, Broken, zigzag, staircase, spiral, Mountains, dashed-dotted, jagged etc. • Concepts of lines and points using different placements.	make a composition with different size of dots or bindi or flat pearls **2.**Draw different types of lines on A block size of 4x4'' Develop a design using different types of lines with black pen, marker and sketch pens. Make a composition of lines with different colour mediums.	• Recognize and apply basic elements of design such as point and line. • Create simple compositions using dots and different types of lines. • Explain theories of the fashion cycle and their relevance to contemporary fashion.	
May **July**	**BOOK -1 –FASHION STUDIES** **CHAPTER 1Overview of Fashion** 1.1 Understanding Fashion 1.2 Factors Influencing Fashion • factors • Geographical factors • Technological advancement in Textiles **CHAPTER 3 - Design Fundamentals** 3.1 Design, Designer and Design Process 3.2 Elements of Design • Shapes Natural, geometric and abstract shapes • Texture • Space **BOOK -1 –FASHION STUDIES** **CHAPTER 1Overview of Fashion**	**Practical- 2** Relevance of the Pendulum Swing theory as an important aspect of Fashion Forecasting. **Practical -3** The Trickle Across theory of fashion in terms of terms of Traditional Indian clothing. . Draw different types of shapes in a block size of 4x4'' **Practical -10** To analyse varied Textures in Nature and Man-made environment. Create textures from different Material on a block size of 4x4''	• Explain additional factors influencing fashion such as geography and technology. • Use key fashion terminology correctly. • Understand movement and direction of fabric in garments. • Identify and draw natural, geometric and abstract shapes. • Recognize textures in natural and man-made environments. • Analyse fashion theories like Pendulum Swing and Trickle across.	

	1.3 Key concept and terminology 1.4 Movement and direction of fabric 1.5 Theories of fashion movement 1.6 Consumer segment 1.7 International trade in fashion 1.8 Fashion regularity bodies in India **CHAPTER 3 - Design Fundamentals** 3.3 Colour theory and Psychology of colours • Hue, Tint, Tones and Shades • Colour Theory: The Prang System • Colour Schemes 3.4 Colour Palette 3.5 Colour Psychology **BOOK 2- Employability Skills** **UNIT –I Communication Skills III** • Introduction to communication • Verbal & non-verbal communication • Communication Styles Writing skills-part of speech & sentences	**Practical -4** Collect the information of famous Indian designers. Write about any one Indian designer who has a main label and pret label. **Practical -11** Sketch any 1 object four times. Apply 4 colour schemes to each of them. To develop ability to interpret/covert different types of emotions portrayed through colours.	• Explain theories of fashion movement and fashion forecasting. • Identify different consumer segments in fashion markets. • Understand the role of international trade and fashion regulatory bodies. • Apply colour theory including hue, tint, tone and shade. • Create colour schemes and colour palettes. • Interpret emotions and moods through colours. • Demonstrate effective verbal and non-verbal communication skills.	

August	**BOOK -1 –FASHION STUDIES** **CHAPTER 2 – Introduction to Fabrics, Dyeing & Printing** 2.1 Introduction: Textile Fibres 2.2 Classification of Textile Fibres **CHAPTER 3 - Design Fundamentals** 3.6 Principles of Design 3.7 Illustration Apparel on fashion figure • The Block figure • Relative proportion of normal and fashion figure. • Steps to develop a pose from line Drawing to the croqui. **BOOK 2- Employability Skills** **UNIT-2- Self- management skills** • Strength and weakness analysis • Grooming and personal hygiene • Team Work • Networking Skills • Self- management • Goal setting and Time management	**Practical- 5** To identify and distinguish between The different fibres through burning Test. **Cotton, wool, silk, polyester and acrylic** **Practical-12** To develop an understanding of how to use Balance/ Symmetry, Emphasis and Contrast in designing products and spaces Observe and analyse the Selected normal forms and Identify the Principles of Design. Steps to develop a pose from line drawing to the croqui.	Identify and classify different textile fibres. • Apply principles of design such as balance, emphasis and contrast. • Understand proportions of normal and fashion figures. • Develop basic fashion illustration from line drawing to croqui. • Analyse personal strengths and weaknesses. Practice self-management, team work and time management.

September	**UNIT 3- ICT Skills** • Introduction to ICT • Basic Interface of Liber Office Writer • Saving, closing, opening & printing Document. Formatting Text in a Word Document.		• Use basic ICT tools for document creation and formatting
	Practical examination, viva, voce **Revision for Mid-Term**	**MID-TERM EXAMINATION**	• Reinforce understanding of fashion concepts, design fundamentals and textile basics. • Prepare for assessment through revision and practice.
October	**BOOK -1 –FASHION STUDIES** **CHAPTER 2 – Introduction to Fabrics, Dyeing & Printing** 2.3 Yarns 2.4 Weaving 2.5 Dyeing i. Classification of dyes ii. Natural dyes iii. Synthetic dyes iv. General theory of dyeing	**Practical-6** Prepare samples of weaves. To enable students to identify the Basic weaves in fabric. **Practical- 7** To enable students to different Printing techniques on fabric. Block, Screen, Digital and Thermal Transfer printing.	• Explain yarn formation and weaving processes. • Identify basic weave structures such as plain, twill and satin. • Distinguish between natural and synthetic dyes.
	CHAPTER 4 - Elements of Garment Making	Visit the market and identify	• Identify parts and functions of a sewing

	4.1 Elements of Garment Making **Sewing Machine** i. Lock Stitch Machine ii. Types of Lock Stitch Machine iii. Parts of Sewing Machine iv. Threading the Machine 4.2 Sewing Tools and Safety Rules 4.3 Common Machine Problems 4.4 Operating Power Machine and Domestic Machine	various sewing machines from different brands and note their prices. Co-relate the prices with the functions that a machine can perform. Prepare a short report of about 5-6 pages. **Practical- 13** Familiarize with sewing Machine To learn how to thread the machine. Objective: - To Stitch on Paper Practicing on machine Doing machine exercises on paper Working on paper without thread	machine. Recognize sewing tools and equipment • Demonstrate correct threading and machine practice. • Understand safety rules and sewing tools.
November	**BOOK 2- Employability Skills** **UNIT 4- Entrepreneur Skills** • Introduction to Entrepreneurship • Values of Entrepreneur • Attitude of an Entrepreneur • Thinking like an Entrepreneur • Coming up with Business Idea • Understanding the Market Business Planning **BOOK -1 –FASHION STUDIES** **CHAPTER 2 – Introduction to Fabrics, Dyeing & Printing**	**Practical -8(A)** Study the print design from printed fabric samples. Sketch the print design on	• Develop basic understanding of entrepreneurship and business ideas practice • Explain the theory and methods of textile printing. • Identify printing techniques such as block,

	2.6 Printing i. Theory of printing ii. Methods of printing iii. Transfer printing iv. Digital printing	Paper and write down how Many dyes have been used to Print the design.	screen, digital and transfer printing.
	CHAPTER 4 - Elements of Garment Making **4.5 Hand Stitches: -** i. Temporary Stitches ii. Permanent Stitches iii. Decorative Stitches **4.6 Seams** i. Plain Seam ii. Curved Seam iii. Cornered Seam iv Seam Finishes v. Self-Enclosed seams vi. Top Stitching Seams	**Practical -14(A)** Making Samples of Hand stitches on cotton fabric or poplin fabric and window mounting all the samples on A/4 size pastel sheets with necessary information on it. **Practical-14(B)** Making samples of machine seams on poplin fabric .sample size 10”X10	• Perform different types of hand stitches. • Understand types of seams and seam finishes used in garments.
December	**BOOK -1 –FASHION STUDIES** **CHAPTER 2 – Introduction to Fabrics, Dyeing & Printing** Fabric Samples:	” **Practical- 8(B)** Observe the type of print, colour, thickness, feel and the comfort properties of each sample. Any 20 samples consisting of different types of weaves, prints,	Identify various fabrics through observation of texture, thickness and comfort properties. • Distinguish different weave samples. • Prepare and analyse fabric samples. • Create samples of gathers, pleats and seam finishes.

	1. Cotton, wool, silk, polyester and nylon 2. Weaving samples: - Plain weave, Twill weave and Satin weave 3. 5 printed samples of the following printing techniques: Block printing Screen printing Digital printing **CHAPTER 4 - Elements of Garment Making** 4.7 Seam with Fullness i. Eased Seam ii. Gathered Seam 4.8 Pleats: - Side Pleats /Knife Pleats Box Pleats Inverted Box Pleats Kick Pleats	structure etc. **Practical- 15** To prepare samples of seam finishes on poplin /fine cotton fabric. Sample size 10”X10” **Practical- 16(A)** To prepare samples of samples of pleats and gathers on fine cotton fabric. Sample size 10’’x10’’	
January	**BOOK -1 –FASHION STUDIES** **CHAPTER 4 - Elements of Garment Making** 4.9 Tucks **Fashion Products** • Introduction to the fashion industry	**Practical -16 (B)** To prepare samples of Tucks on fine cotton fabric. Sample size 10’’x10’’	• Prepare samples of tucks in fabric. Understand the concept and structure of the Fashion industry. • Identify home textile and apparel products.

February	• Home fashion products • Unstitched category of home textile, apparel and floor covering • Traditional Indian products of leather **BOOK 2- Employability Skills** **UNIT 5- Green Skills** • Sectors of Green Economy • Policies for a Green Economy • Stakeholders in Green Economy • Government and Private Agencies **FINAL SUBMISSION OF FILES AND ASSIGNMENTS** **REVISION FOR FINAL TERM**	**ANNUAL EXAMINATION**	• Recognize the importance of sustainability and green economy practices. **• Consolidate knowledge of fashion concepts, textiles, design and garment construction.** **• Organize and submit practical files and assignments.**

Syllabus (2026-27)

CLASS XI

Subject: Business Studies (054)

Prescribed Books:
Business Studies Class XI published by NCERT

Month	Chapter	Content	Learning Outcome:
April	**Evolution and Fundamentals of Business**	History of Trade and Commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy Business – meaning and characteristics Business, profession and employment – Concept	• To acquaint the History of Trade and Commerce in India • Understand the meaning of business with special reference to economic and non-economic activities. • Discuss the characteristics of business. • Understand the concept of business, profession and employment. • Differentiate between business, profession and employment.
May		Objectives of business Classification of business activities - Industry and Commerce Industry-types: primary, secondary, tertiary Meaning and subgroups Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning Business risk-Concept	• Appreciate the economic and social objectives of business. • Examine the role of profit in business. • Understand the broad categories of business activities- industry and commerce. • Describe the various types of industries. • Discuss the meaning of commerce, trade and auxiliaries to trade. • Discuss the meaning of different types of trade and

			auxiliaries to trade. • Examine the role of commerce-trade and auxiliaries to trade. • Understand the concept of risk as a special characteristic of business. Examine the nature and causes of business risks.
May **July**	2: Forms of Business organizations	Sole Proprietorship-Concept, merits and limitations Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners Hindu Undivided Family Business: Concept Cooperative Societies-Concept, merits, and limitations.	• List the different forms of business organizations and understand their meaning. • Identify and explain the concept, merits and limitations of Sole Proprietorship. • Identify and explain the concept, merits and limitations of a Partnership firm. • Understand the types of partnership on the basis of duration and on the basis of liability. • State the need for registration of a partnership firm. • Discuss types of partners – active, sleeping, secret, nominal and partner by estoppel. • Understand the concept of Hindu Undivided Family Business. • Identify and explain the concept, merits and limitations of Cooperative

			Societies. Understand the concept of consumers, producers, marketing, farmers, credit and housing co-operatives
July		Company - Concept, merits and limitations; Types: Private, Public and One Person Company – Concept Formation of company - stages, important documents to be used in formation of a company Choice of form of business organization	• Identify and explain the concept, merits and limitations of private and public companies. • Understand the meaning of one person company. • Distinguish between a private company and a public company • Highlight the stages in the formation of a company. • Discuss the important documents used in the various stages in the formation of a company. • Distinguish between the various forms of business organizations.
July **August**	**3: 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 – Feature Joint venture Public private partnership – concept	• Develop an understanding of Public sector and private sector enterprises • Identify and explain the features, merits and limitations of different • forms of public sector enterprises • Develop an understanding of global enterprises, public private partnership by studying their meaning and features.

August **September**	**4: Business Services**	Business services – meaning and types. Banking: Types of bank accounts - savings, current, recurring, fixed deposit and multiple option deposit account Banking services with particular reference to Bank Draft, Bank Overdraft, 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	• Discuss the meaning and types of Business service Banking • Develop an understanding of difference types of bank account. • Develop an understanding of the different services provided by banks • Recall the concept of insurance • Understand Utmost Good Faith, Insurable Interest, Indemnity, Contribution, Doctrine of Subrogation, and Causa Proxima as principles of insurance • Discuss the meaning of different types of insurance: life, health, fire, marine insurance. • Understand the utility of different telecom services
September	**5: Emerging Modes of Business**	E - business: concept, scope, and benefits	• Give the meaning of e-business. • Discuss the scope of e-business. • Appreciate the benefits of e-business Distinguish e-business from traditional business.
	Revision for Mid-Term Exam		
October	**6: Social Responsibility of Business and Business Ethics**	Concept of social responsibility Case of social responsibility Responsibility towards owners, investors, consumers, employees, government, and community Role of business in environmental protection	• State the concept of social responsibility. • Examine the case for social responsibility. • Identify the social responsibility towards different interest groups.

		Business Ethics - Concept and Elements	• Appreciate the role of business in environmental protection. • State the concept of business ethics. • Describe the elements of business ethics.
October **November**	**7: Sources of Business Finance**	Concept of business finance Owners' funds- equity shares, preference shares, retained earnings Borrowed funds: debentures and bonds, loans from financial institutions and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD)	• State the meaning, nature, and importance of business finance. • Classify the various sources of funds into owners' funds. • State the meaning of owners' funds. • State the meaning of borrowed funds. • Discuss the concept of debentures, bonds, loans from financial institutions and commercial banks, Trade credit, and intercorporate deposits. • Distinguish between owners' funds and borrowed funds.
November	**8: 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 Small-scale enterprise as defined by the 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	• Understand the concept of Entrepreneurship Development (ED), Intellectual Property Rights • Understand the meaning of small business • Discuss the role of small businesses in India • Appreciate the various Government schemes and agencies for the development of small-scale industries. NSIC and DIC with • special reference to rural,

		Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas	backward areas.
December	**Unit 9: 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 shop retailers Large-scale retailers- departmental stores, chain stores – concept GST (Goods and Services Tax): Concept and key features	• State the meaning and types of internal trade. • Appreciate the services of wholesalers and retailers. • Explain the different types of retail trade. • Highlight the distinctive features of departmental stores, chain stores, and mail-order businesses. • Understand the concept of GST
December **January**	**10: International Trade**	International trade: concept and benefits Export trade – Meaning and procedure Import Trade - Meaning and 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	• Understand the concept of international trade. • Describe the scope of international trade to the nation and business firms. • State the meaning and objectives of export trade. • Explain the important steps involved in executing export trade. • State the meaning and objectives of import trade. • Discuss the important steps involved in executing import trade. • Develop an understanding of the various documents used in international trade. • Identify the specimen of the various documents used in

			international trade. • Highlight the importance of the documents needed in connection with international trade transactions • State the meaning of the World Trade Organization. • Discuss the objectives of the World Trade Organization in promoting international trade.
January	**Revision for Annual Exam**		

Syllabus (2026-27)

Accountancy (Subject Code 055)

Class-XI

Months	Units/Topics	Learning Objectives
April	**Part A: Financial Accounting-1** **Unit-1: Theoretical Framework Introduction to** **Accounting** Accounting- concept, meaning, as a source of information, objectives, advantages and limitations, 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, Current); Expenditure (Capital and Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (trade discount and cash discount)	• describe the meaning, significance, objectives, advantages and limitations of accounting. • identify / recognise the individual(s) and entities that use accounting information for serving their needs of decision making. • explain the various terms used in accounting and differentiate between different related terms like current and non-current, capital and revenue. • give examples of terms like business transaction, liabilities, assets, expenditure and purchases.
May	**Theory Base of Accounting** • Fundamental accounting assumptions: GAAP: Concept • Basic Accounting Concept : Business Entity, Money	state the meaning of fundamental accounting assumptions and their relevance in accounting. • describe the meaning of accounting assumptions and the situation in which an assumption is applied during the

	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 (IndAS) Goods and Services Tax (GST): Characteristics and Advantages.	accounting process. • explain the meaning, applicability, objectives, advantages and limitations of accounting standards. • explain the bases of recording accounting transaction and to appreciate that accrual basis is a better basis for depicting the correct financial position of an enterprise.
July	**Unit-2: Accounting Process** **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. • Recording of Transactions: Books of Original Entry- **Journal** • **Special Purpose books**: Cash Book: Simple, cash book with bank column and petty	• explain the concept of accounting equation and appreciate that every transaction affects either both the sides of the equation or a positive effect on one item and a negative effect on another item on the same side of accounting equation. • explain the effect of a transaction (increase or decrease) on the assets, liabilities, capital, revenue and expenses. develop the understanding of recording of transactions in journal and the skill of calculating GST. • explain the purpose of maintaining a Cash Book and develop the skill of preparing the format of different types of cash books and the method of recording cash transactions in Cash book. •
August	• Purchases book, Sales book • Purchases return book • Sales return book • Journal proper	• describe the method of recording transactions other than cash transactions as per their nature in different subsidiary books . • develop understanding of preparing bank reconciliation

	Note: Including trade discount, freight and cartage expenses for simple GST calculation. • **Ledger**: Format, Posting from journal and subsidiary books, Balancing of accounts **Bank Reconciliation Statement:** • Need and preparation, Bank Reconciliation Statement **Revision of Mid term Examination**	statement.
September	**Depreciation, Provisions and Reserves** • Depreciation: Meaning, Features, Need, Causes, factors • Other similar terms: Depletion and Amortisation • Methods of Depreciation: i. Straight Line Method (SLM) ii. Written Down Value Method (WDV) Note: Excluding change of method	• explain the necessity of providing depreciation and develop the skill of using different methods for computing depreciation.
October	Difference between SLM and WDV; Advantages of SLM and WDV • Method of recoding depreciation i. Charging to asset account ii. Creating provision for depreciation/accumulated depreciation account • Treatment of disposal of asset • Provisions, Reserves, Difference Between Provisions and Reserves, Types of reserves	• understand the accounting treatment of providing depreciation directly to the concerned asset account or by creating provision for depreciation account. • appreciate the difference between reserveand reserve fund.

November	**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.	• state the need and objectives of preparing trial balance and develop the skill of preparing trial balance. • appreciate that errors may be committed during the process of accounting. • understand the meaning of different types of errors and their effect on trial balance. develop the skill of identification and location of errors and their rectification and preparation of suspense account.
December - January	**Part B: Financial Accounting-II** **Unit-3: Financial Statements of Sole Proprietorship** **Financial Statements** Meaning, objectives and importance; Revenue and Capital Receipts; Revenue and Capital Expenditure; Deferred Revenue expenditure. Opening journal entry. Trading and Profit and Loss Account: Gross Profit, Operating profit and Net profit. Preparation. Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation. Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, Abnormal loss, Goods taken for personal use/staff welfare,	• state the meaning of financial statements the • purpose of preparing financial statements. • state the meaning of gross profit, operating profit and net profit and develop the skill of preparing trading and profit and loss account. • explain the need for preparing balance sheet. • understand the technique of grouping and marshalling of assets and liabilities. • appreciate that there may be certain items other than those shown in trial balance which may need adjustments while preparing financial statements. • develop the understanding and skill to do adjustments for items and their presentation in financial statements like depreciation, closing stock, provisions, abnormal loss etc. • develop the skill of preparation of trading and profit and loss account and balance sheet.

	interest on capital and managers commission. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments. **Incomplete Records** Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method. (excluding conversion method)	
February	**Revision of annual examination**	

Syllabus (2026-27)
Class: XI
Subject: Informatics Practices (065)

MONTH	TOPICS	LEARNING OUTCOMES	PROJECTS
April	**Unit 2: Introduction to Python** • Basics of Python • Execution modes (Interactive & Script) • Structure of program • Keywords, identifiers, variables • Data types & operators • Control Statements (simple if) **ACTIVITIES/PRACTICALS** □ Run Python in interactive & script mode □ Programs using operators □ Simple input/output programs	□ Write basic Python programs □ Use variables and operators correctly □ Understand execution modes	**Student Record Manager** It can include: • student name • marks • total • percentage • grade
May	**Unit 2 (Continued)** • Control Statements (if-else) • Control Statements (loops)	□ Apply decision-making statements □ Use loops effectively	**Shopping Discount Calculator** Discount based on purchase amount.

	ACTIVITIES/PRACTICALS □ Programs using conditional statements □ Loop-based programs **Unit 1: Introduction to Computer System** • Evolution of computing devices • Components of computer system & interconnections **ACTIVITIES/PRACTICALS** □ Identify hardware components □ Worksheet on input/output devices □ Diagram of computer system □ Memory unit conversion exercises	□ Understand evolution of computers □ Identify hardware components	
July	**Unit 2 (Continued)** • Control Statements (loops) continued… • Lists (creation, methods, built-in functions) • Dictionary (creation, methods) • Introduction to NumPy	□ Use loops effectively □ Perform list operations □ Use key-value data structures □ Create NumPy arrays from lists □ Strengthen Python programming skills	**ATM Menu Program** **To create a simple ATM program in Python that allows the user to:** • Check balance • Deposit money • Withdraw money • Exit the program

	ACTIVITIES/PRACTICALS □ Loop-based programs □ List manipulation programs □ Dictionary programs □ Create NumPy arrays □ Practice assignments **Unit 1 (Continued)** • Input/Output devices • Units of memory • Types of memory (Primary & Secondary) • Data deletion, recovery & security concerns • Software: System & Application software **ACTIVITIES/PRACTICALS** □ Identify types of software in lab □ Case study on data recovery	□ Explain working of I/O devices □ Differentiate memory types □ Understand data security concerns □ Classify software correctly	
August	**Unit 3: Database Concepts & SQL** • Database concepts & need • DBMS • Relational model (domain, tuple, relation, keys) • Introduction to MySQL	□ Understand database concepts □ Identify different keys □ Create database using MySQL	

	• Data Types • Operators and its types • Create Command • Insert Command **ACTIVITIES/PRACTICALS** □ Install & open MySQL □ Create database □ Identify keys in tables		
September	**Unit 3 (Continued)** • Select Command • Where Clause **ACTIVITIES/PRACTICALS** □ Create tables □ Execute SELECT queries **REVISION AND**	□ Perform DDL operations □ Retrieve filtered data **MID TERM EXAM**	**Student Management System using SQL Commands** Tables: • **Students** • **Marks** This project stores student details such as: • Student ID • Name • Class • Age • Marks Different SQL commands are used to: • add data • display data

October	**Unit 3 (Continued)** • Drop Command • Alter Command • Delete Command • Update Command **ACTIVITIES/PRACTICALS** □ Update records □ Alter table □ Delete records □ Drop table	□ Manipulate data in tables using DDL and DML Commands	**Library Management System in SQL** Different SQL commands are used to: • add data • display data • modify data • delete data • sort records
November	**Unit 4: Introduction to Emerging Trends** • Artificial Intelligence • Machine Learning • Natural Language Processing • AR/VR • Robotics • Big Data & Characteristics **ACTIVITIES/PRACTICALS** □ Case study on AI applications □ Identify real-life ML examples □ Presentation on AR/VR	□ Explain AI & ML concepts □ Understand immersive technologies □ Describe Big Data characteristics	
December	**Unit 4 (Continued)** • IoT & Sensors • Smart Cities	□ Understand IoT ecosystem □ Differentiate cloud services □ Explain block chain basics	

	• Cloud Computing (SaaS, IaaS, PaaS) • Grid Computing • Block chain Technology **ACTIVITIES/PRACTICALS** □ Identify IoT devices □ Cloud service comparison □ Project/Assignment work		
January	**PROJECT WORK & REVISION FOR ANNUAL EXAMINATION**		

SYLLABUS 2026-27 PHYSICAL EDUCATION CLASS XI			
Month	**TOPIC**	**SUB-TOPIC**	**LEARNING OBJECTIVES**
APRIL	**UNIT 1: - Changing Trends and Careers in Physical Education**	• Concept, Aims & Objectives of Physical Education • Development of Physical Education in India – Post Independence • Changing Trends in Sports- playing surface, wearable gear and sports equipment, technological advancements • Career options in Physical Education • Khelo-India Program and Fit – India Program	• To understand the concept, importance and objectives of Physical Education. • To learn the growth and development of Physical Education after independence. • To Identify modern trends like technology, wearable gear and improved sports equipment. • To Explore career opportunities related to sports and fitness. • To Understand government initiatives promoting fitness and sports culture.
	UNIT 2: -Olympism Value Education	• Olympism – Concept and Olympics Values (Excellence, Friendship & Respect) • Olympic Value Education – Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind • Ancient and Modern Olympics • Olympics - Symbols, Motto, Flag, Oath, and Anthem • Olympic Movement Structure - IOC, NOC, IFS, Other members	• To Learn values like fair play, discipline and sportsmanship. • To Compare ancient and modern Olympic Games. • To Gain knowledge about Olympic identity and traditions. • To Understand IOC, NOC and international sports federations.

MAY	**UNIT 3: -Yoga** **UNIT 7: - Fundamentals of Anatomy, Physiology in Sports**	• Meaning and importance of Yoga • Introduction to Asthanga Yoga • Yogic Kriyas (Shat Karma) • Pranayama and its types. • Active Lifestyle and stress management through Yoga • Definition and importance of Anatomy and Physiology in Exercise and Sports. • Functions of Skeletal System, Classification of Bones, and Types of Joints. • Properties and Functions of Muscles. • Structure and Functions of Circulatory System and Heart. • Structure and Functions of Respiratory System	• To Understand benefits of Yoga for physical and mental wellness. • To Learn the eight limbs of Yoga. • To Understand cleansing techniques for body purification. • To Develop knowledge about breathing exercises and their benefits. • To Learn techniques for maintaining a healthy lifestyle and reducing stress. • Meaning and importance of anatomy and physiology • To Understand body structure and functioning during exercise. • To Learn types and functions of bones and joints. • To Learn structure and functions of heart and blood circulation. • To Understand breathing mechanism and lung functions**.**
JULY	**UNIT 8: - Fundamentals Of Kinesiology and Biomechanics in Sports**	• Definition and Importance of Kinesiology and Biomechanics in Sports. • Principles of Biomechanics	• To Understand movement science in sports performance.

		• Kinetics and Kinematics in Sports • Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation • Axis and Planes – Concept and its application in body movements	• To Learn laws and principles related to body movement. • To Differentiate between motion and forces in sports. • To Understand flexion, extension, rotation and other movements. • To Learn applications of body planes and axes in sports skills.
AUGUST	**UNIT 4: -Physical Education and Sports for Children with Special Needs**	• Concept of Disability and Disorder • Types of Disability, its causes & nature (Intellectual disability, Physical disability). • Disability Etiquette • Aim and objectives of Adaptive Physical Education. • Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist, and Special educator.	• To Differentiate between disability and disorder. • To Understand causes and characteristics of various disabilities. • To Learn respectful behaviour towards persons with disabilities. • To Understand modified activities for inclusive participation. • To Identify roles of counsellors, physiotherapists and special educators.
	UNIT 5: -Physical Fitness, Wellness, and Lifestyle	• Meaning & importance of Wellness, Health, and Physical Fitness. • Components/Dimensions of Wellness, Health, and Physical Fitness • Traditional Sports & Regional Games for promoting wellness	• To Understand health, wellness and fitness concepts. • To Learn dimensions of physical and mental wellness. • To Recognize the role of indigenous games in promoting health. • To Develop leadership qualities through physical activities.

		• Leadership through Physical Activity and Sports • Introduction to First Aid – PRICE	• To Learn basic injury management and safety measures.
SEPTEMBER	**UNIT 6: -Test, Measurement & Evaluation**	• Define Test, Measurements and Evaluation. • Importance of Test, Measurements and Evaluation in Sports. • Calculation of BMI, Waist – Hip Ratio, Skin fold measurement (3-site) • Somato Types (Endomorphy, Mesomorphy & Ectomorphy) Measurements of health-related fitness	• To Meaning of test, measurement and evaluation • To Learn why evaluation is necessary for performance improvement. • To Calculate and interpret fitness indicators. • To Understand body types – endomorph, mesomorph and ectomorph. • To Learn methods of measuring fitness levels.
OCTOBER	**Unit 9: - Psychology and Sports**	• Definition & Importance of Psychology in Physical Education & Sports • Developmental Characteristics at Different Stages of Development • Adolescent Problems & their Management; • Team Cohesion and Sports; • Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness	• To Understand psychological aspects of sports performance. • To Learn developmental characteristics of adolescence. • To Identify common issues and their management strategies. • To Understand teamwork and group dynamics in sports. • To Develop knowledge about resilience, attention and mental toughness**.**
NOVEMBER	**UNIT 10: - Training & Doping in Sports**	• Concept and Principles of Sports Training • Training Load: Over Load, Adaptation, and Recovery • Warming-up & Limbering Down – Types, Method & Importance • Concept of Skill, Technique, Tactics & Strategies • Concept of Doping and its disadvantages	• To Understand scientific methods of sports training. • To Learn adaptation, overload and recovery principles • To Understand importance and methods of warming up and limbering down. • To Differentiate between skill, technique, tactics and strategy

			• To Understand disadvantages and ethical concerns related to doping.
DECEMBER	Revision		

NEW ERA PUBLIC SCHOOL, MAYAPURI
SYLLABUS (2026 - 27)
CLASS – XI
SUBJECT – PHYSICS (042)

MONTH/ DAYS	CHAPTER/ PERIOD	SCOPE/SUBTOPICS	PRACTICALS	LEARNING OUTCOMES
April - 12	Unit I: Physical World and Measurements Chapter–1: Units and Measurements	Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures, Determining the uncertainty in result. Dimensions of physical quantities, dimensional analysis and its applications.	To measure diameter of a small spherical/cylindrical body using a screw gauge. To measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.	• Understand the need for measurement in physics. • Differentiate between fundamental (base) quantities and derived quantities. • Identify and use SI units • Learn the seven base SI units • Understand derived units. • Use SI prefixes • Apply dimensional analysis. • Understand the concept of accuracy and precision
May - 10	Unit II: Kinematics Chapter–2: 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 and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment).	To measure diameter of a given wire and thickness of a given sheet using screw gauge.	• Understand the concept of motion. • Differentiate between distance and displacement. • Understand speed, velocity and acceleration • Understand uniform motion and non-uniform motion. • Interpret and analyse motion using graphs. • Understand and apply the equations of uniformly accelerated motion

				• Solve numerical problems related to one-dimensional motion. • Understand the concept of free fall. • Apply kinematic concepts to real-life situations

	Chapter–3: 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		• Understand the difference between scalar and vector quantities.
				• Learn about position vectors
				• Understand displacement vectors
				• Understand the concept of addition of vectors
				  o Triangle law of vector addition
				  o Parallelogram law of vector addition.
				• Develop the ability to solve problems involving vector operations.

July - 23	Chapter–3: Motion in a Plane . Unit III: Laws of Motion Chapter–4: Laws of Moion	Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. 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.	To determine volume of an irregular lamina using screw gauge. To find the weight of a given body using parallelogram law of vectors.	• Understand the concept of a unit vector. • Represent vectors using unit vectors • Understand the resolution of a vector in a plane • Determine the rectangular components of a vector • Understand the concept of scalar (dot) product and vector (cross) product of vectors • Apply scalar and vector products to solve simple problems • Understand the concept of force and inertia. • Explain Newton’s Laws of Motion. • Analyze momentum, impulse, and their relationships • Apply the law of conservation of linear momentum.

August - 16	Chapter–4: Laws of Motion	Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).	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.	• Understand equilibrium and frictional forces. • Explain dynamics of uniform circular motion.
	Unit IV: Work, Energy and Power Chapter– 5: 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	To find the force constant of a helical spring by plotting a graph between load and extension.	• Understand the concept of work and energy. • Explain kinetic energy and the work–energy theorem • Understand the concept of power • Explain potential energy and conservative forces • Analyse motion in a vertical circle • Apply conservation principles to collisions
	Unit V: Motion of System of Particles and Rigid Body Chapter–6: 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. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications.		• Understand the concept of centre of mass • Explain the relationship between momentum conservation and centre of mass motion • Determine the centre of mass of rigid bodies • Understand moment of force and torque • Explain angular momentum

				• Apply the law of conservation of angular momentum
September - 10	REVISION		First Term Practical ExamInation. First Term Examination.	
October - 14	Chapter–6: System of Particles and Rotational Motion Unit VI: Gravitation Chapter – 7: Gravitation	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). 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 speed, orbital velocity of a satellite, energy of an orbiting satellite.	Using a simple pendulum, plot its graph and use it to find the effective length of second's pendulum.	• Understand the conditions for equilibrium of rigid bodies • Describe rigid body rotation • Apply equations of rotational motion • Compare linear and rotational motion • Understand moment of inertia and radius of gyration • Explain the universal law of gravitation • Analyse acceleration due to gravity. • Understand gravitational potential and potential energy • Explain escape speed and orbital velocity • Understand Kepler’s laws of planetary motion

November - 17	Unit VII: Properties of Bulk Matter Chapter–8: 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).		• Understand the concept of elasticity • Explain stress–strain relationship and Hooke's law • Understand elastic moduli of materials • Explain Poisson's ratio • Understand elastic potential energy • Recognize applications of elastic behaviour of materials
	Chapter–9: 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	To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.	• Understand fluid pressure and Pascal's law • Explain viscosity and fluid resistance • Distinguish types of fluid flow • Apply Bernoulli's theorem • Understand surface tension and related concepts. • Analyze applications of surface tension.
December - 20	Chapter–10: 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.	To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.	• Understand heat and temperature • Explain thermal expansion of matter

		Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.		• Understand specific heat and calorimetry • Explain change of state and latent heat • Understand modes of heat transfer • Explain basic laws of thermal radiation
	Unit VIII: Thermodynamics Chapter–11: 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.		• Understand thermal equilibrium and temperature. • Explain basic thermodynamic quantities • Apply the first law of thermodynamics • Understand the second law of thermodynamics • Describe thermodynamic state variables and equations of state • Analyze different thermodynamic processes
	Chapter–12: 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.		• Understand the equation of state of an ideal gas and work done in gas compression. • Explain kinetic theory assumptions and the origin of pressure and temperature. • Describe rms speed, degrees of freedom, and equipartition of energy in gases.

				• Understand mean free path and the significance of Avogadro's number.
January - 14	Unit X: Oscillations and Waves Chapter–13: Oscillations Chapter–14: Waves	Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M), uniform circular motion and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period. 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.		• Understand the concept of periodic motion • Explain simple harmonic motion (SHM) • Understand phase and oscillations of a spring system • Analyze energy in SHM • Explain the motion of a simple pendulum • Understand types of waves • Describe the motion of a traveling wave. • Apply the principle of superposition and wave reflection • Understand standing waves • Explain beats and their formation
February	REVISION		Annual Practical Examination. Annual Examination.	

Syllabus (2026 - 27)
Class : XI
Subject : Chemistry

Month/ Days	Chapter	Subtopics	Practicals	Learning Outcomes
April	**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.	**Quantitative Estimation (Volumetric Analysis)** 1. Using a mechanical balance/electronic balance. 2. Preparation of standard solution of oxalic acid.	Students will able to • state various laws of chemical combinations. • practice the numericals based on the laws of chemical combinations. • understand the Dalton's concept. • describe the terms mole and molar mass. • calculate no. of moles and molar mass of various compounds. • explain the concept of empirical and molecular formula.
May	**UNIT 1: SOME BASIC CONCEPTS OF CHEMISTRY (CONTINUED)** **UNIT 2: STRUCTURE OF ATOM**	Stoichiometry and calculations based on stoichiometry. Discovery of Electron, Protonand Neutron, atomic number, isotopes and isobars. Thomson's model and its	**Quantitative Estimation (Volumetric Analysis)** 3. Preparation of standard solution of sodium carbonate. **Summer Vacation Holiday Homework Project -**	• practice the numericals based on stoichiometry. Students will able to

		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.	Scientific investigations involving laboratory testing and collecting information from other sources.	• understand the discovery of subatomic particles. • describe atomic models (Thomson, Rutherford, Bohr). • understand quantum mechanical concepts and dual nature of matter. • explain the de Broglie relation, Heisenberg's uncertainty principle and quantum numbers.
July	**UNIT 2: STRUCTURE OF ATOM (CONTINUED)** **UNIT 3: CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES**	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. Significance of classification, brief history of the development of periodic table, modern periodic law and the ionic radii, inert gas radii, present form of periodic table, periodic trends in properties of elements -atomic radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency, nomenclature of elements with atomic number greater than 100.	**Titration techniques (Volumetric Analysis)** 4. Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.	• describe the orbital and their shapes. • explain the rules of electron filling (Aufbau, Pauli, Hund), and stability of orbitals. Students will be able to • understand the historical development of the periodic table, contributions of key scientists, and the rationale behind its current structure. • identify the similarities and differences in terms of chemical behaviour and properties. • relate periodic table trends to types of

	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, VSEPR theory.	5. Determination ofstrength of a given solution of hydrochloric acid bytitrating it against standard sodium carbonate solution.	chemical bonding (ionic, covalent, metallic) and molecular structure. • define the terms like atomic radius, ionic radius, electongain enthalpy, ionization energy and electronegativity. • identify isoelectronic species • explain the reason for changing trends in ionization enthalpy. • differentiate electron gain enthalpy and electronegativity. Students will able to • understand Kossel -Lewis approach to chemical bonding. • illustrate the formation of different type of bonds. • predict directional property of covalent bond. • determine formal charge. • explain bond parameters. • draw Lewis structures of simple molecule. • understand about polarity of bonds • describe valence shell electron pair

				repulsion theory • predict and compare the shape of different molecules
August	**UNIT 4: CHEMICAL BONDING AND MOLECULAR STRUCTURE** **UNIT 7: REDOX**	Valence bond theory, resonance, geometry of covalent molecules, 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. Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and	6. **Quantitative Analysis (Salt Analysis)** of salt for acidic radicals: Dilute H_2SO_4 group- CO_3^{2-}, S^{2-}, SO_3^{2-}, NO_2^-	• explain the overlapping of orbitals on the basis of VBT and the formation of sigma and pi bond • identify the type of hybridisation in given molecules. • understand how the linear combination of atomic orbitals takes place • differentiate between bonding MO and antibonding MO • calculate the bond order of molecules and predict the nature of bond and write

	REACTIONS	gain of electrons and change in oxidation number, applications of redox reactions.	7. **Quantitative Analysis (Salt Analysis)** of salt for acidic radicals: Concentrated H_2SO_4 group- Cl^-, Br^-, I^-, NO_3^-, CH_3COO^-, $C_2O_4^{2-}$. 8. **Quantitative Analysis (Salt Analysis)** of salt for acidic radicals: Independent acid radicals- SO_4^{2-}, PO_4^{3-}.	the electronic configuration of given molecules. • differentiate between intermolecular and intramolecular Hydrogen bonding. Students will able to • explain electronic concept of oxidation and reduction. • calculate oxidation numbers in terms of electron transfer. • classify various kinds of reactions in terms of redox reactions. • balance the redox equations using oxidation number method and half reaction method. • understand the application of redox reactions.
September	**REVISION**	First Term Practical Examination First Term Examination		
October	**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	9. **Qualitative analysis (Salt Analysis)** of salt for cations: Zero Group: NH_4^+ First Group: Pb^{2+}	Students will able to • explain the terms system and surroundings. • differentiate between close, open and isolated systems.

		heat, measurement of ΔU and ΔH, Hess's law of constant heat summation, 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).	Second Group: Cu^{2+}, As^{3+} Third Group: Al^{3+}, Fe^{3+}	• explain internal energy, work and heat. • state first law of Thermodynamics and express it mathematically. • explain state functions: U, H and correlate ΔU and ΔH. • differentiate between extensive and intensive properties. • derive the relationship between C_P and C_V for an ideal gas • understands thermodynamic equations. • illustrate Hess's law and its applications and able to solve the numerical of this law. • comprehend enthalpies for different types of reactions. • understand the concept of spontaneity and lattice enthalpy. • interpret the relation between Gibbs free energy and equilibrium.
November	**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. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and	10. **Chromatography:** Separation of constituents present in an inorganic mixture containing two cations only.	Students will be able to • comprehend the concept of organic reaction mechanism. • analyze the influence of electronic

		hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.	11. Detection of nitrogen, sulphur, chlorine in organic compounds.	displacements on structure and reactivity of compounds. • explain shape, hybridisation and structural representation of carbon compounds. • classify organic compounds focussing on the concepts revolving around aromaticity. • write IUPAC name of different carbon compounds.
December	**UNIT 9: HYDROCARBONS**	Classification of 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	12. **Qualitative analysis (Salt Analysis)** of salt for cations: Fourth Group: Zn^{2+}, Mn^{2+}, Ni^{2+}, Co^{2+} Fifth Group: Ba^{2+}, Sr^{2+}, Ca^{2+} Sixth Group: Mg^{2+} Analysis of unknown salts.	Students will able to • IUPAC nomenclature as well as writing structure of aliphatic hydrocarbon. • able to learn various preparation method of aliphatic hydrocarbon. • able to learn various physical and chemical properties of aliphatic compounds. • able to differentiate between alkane alkene and alkynes. • able to draw and differentiate between various confirmation of ethane. • able to understand reaction mechanism of alkenes (symmetrical and

		properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water. 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 monosubstituted benzene, carcinogenicity and toxicity.		unsymmetrical) • able to identify and write the structures of isomers of aromatic hydrocarbons. • apply huckel rule. • discuss on preparations and properties of arenes. • explain resonance and extra stability of benzene. • describe directive influence of functional groups on the aromatic ring system. • explain carcinogenicity and toxicity in aromatic hydrocarbons.
January	**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).	Practice (Mock Practicals)	Students will able to • define Equilibrium. • understand the dynamic nature of equilibrium. • apply equilibrium constant expression to relate concentration of reactants and products at equilibrium. • interprets graphical representation of concentration vs time. • derive relationship between Kc and Kp and solve the numericals based on their

				relation. • practice problems on predicting equilibrium shifts and calculating equilibrium constants. • explain factors affecting equilibrium like pressure, temp., conc., inert gas, etc. • explain and state Le Chatelier's principle, its application with example. • understand the concept of Arrhenius, Bronsted Lowry & Lewis concept for acids & bases. • explain the ionisation of acids & bases and ionisation constant of water & its ionic product. • describe what is pH and pH scale. • explain ionisation constant of weak acid and weak base. • derive the relation between K_a and K_b. • explain the factors affecting acid strength. • understand common ion effect in the ionization of acids and bases and its

				effect on solubility of ionic salts. • understand the hydrolysis of salt and the pH of their solutions. • define buffer solutions with the help of example. • explain the solubility equilibria of sparingly soluble salts and solubility product constant K_{SP}.
February	**REVISION**	Annual Practical Examination Annual Examination		

Syllabus (2026-2027)
Class : XI
Subject : Biology

Month	Chapter	Scope/Sub-topics	Practicals	Learning outcomes
April	**Chp1)The living world**	Characteristics, diversity, classification, taxonomical aids.	1) To study the distribution of stomata on upper & lower surface of leaf.	1.Explain the need to identify classify and provide nomenclature to living organisms. 2.Summarize universal rules of the binomial system of nomenclature of plants and animals with examples. 3.Explain different taxonomic categories with examples – kingdom, phylum, class, order, family, genus and species
	Chp 2) Biological classification	Five kingdom classification—kingdom monera, protista, fungi, plantae and animalia.	2) To test for glucose, sucrose, starch ,fat and protein.	1.Describe the characteristics of the proposed Five Kingdom classification of R.H. Whittaker in the form of a table 2. Compare the different classification systems listing the advantages of five Kingdom classification.
May	**Chp 3) Plant kingdom**	Algae, bryophytes, pteridophytes, gymnosperms, angiosperms and plant life cycles.	3) Identification & classification of plants & animals	1. Explain the factors that affect the classification system. 2. Classify the organisms of kingdom Plantae based on certain characteristics. 3. Draw well-labelled diagrams of green, brown and red algae, pteridophytes,Gymnosperms and gives their characteristic differences
	Chp 4) Animal kingdom	Levels of organization, symmetry, coelom, segmentation, notochord, classification of animals.	4) To study plant & animal tissues from Permanent slides	1. Differentiate organisms of Animal Kingdom based on levels of organisations, complexities in the organ systems, different embryonic layers, symmetry, segmentation,

		PPT on five kingdom classification, plant kingdom, and animal kingdom.		presence of coelom, notochord and distinctive features. 2. Draw a flowchart illustrating the broad classification of the kingdom Animalia based on common fundamental features.
July	**Chp 8) Cell-Unit of Life**	Cell Theory ,cell wall, cell membrane endomembrane system, cell organelles PPT on cell and cell organelles	5)To study stages of mitosis from permanent slides	1. Explain cell theory and justifies the independent existence of a cell. 2. Differentiate and draws different types of cells and explains different cell organelles.
	Chp 10) Cell Cycle & cell division	Phases of cell cycle, mitosis,it'significance,meiosis,it'significance,Ppt on mitosis and meiosis.		1. Explain the importance of cell division. 2. Co-relate and explains the different phases of the cell cycle with their function and duration and represents it pictographically through pie chart
	Chp 9) Biomolecules	Biomicromolecules & Biomacromolecules-structure,function,classification,enzymes PPT on enzymes & structure of macromolecules like proteins,bond formation.		1. Enlist different inorganic and organic constituents and their percentage in living tissues explaining the importance of analytical techniques to study their structure. 2. Investigate the composition of macromolecules and micro molecules in living cells. 3. Present the charts and graphs of collected data from the investigation of the effects of pH and temperature on an enzyme.

August	**Chp 5) Morphology of flowering plants** **Chp 6) Anatomy of flowering Plants** **Chp 7) Structural organization in Animals**	Root- modifications, stem modifications, leaf modifications, inflorescence, flower, fruit, seed, important families. Ppt on root, stem & leaf classification. Plant tissues, meristematic& permanent tissues, anatomy of monocots & dicots, secondary growth. PPT on plant tissues and anatomy of monocots & dicots. Animal morphology, anatomy and functions of different systems of a frog.	.6) To study anatomy of stems & roots . 7) Morphology of plant parts 8) Study and identification of different types of inflorescenes. 9)Dissection of a flower 10)Section cutting of monocot and dicot root and stem. 11) To study external morphology of frog,	1.Explain and relates the structure and function of different parts of the root & shoot system. 2. Classify the different types of leaves based on different criteria. 3. Explain different parts of flowers. 4. Draw labelled figures of morphological features of all parts of plant 1. Differentiate and explains the features of different types of plant tissue systems – epidermal, stomatal, vascular ground tissue system. 2. Explain and differentiates the different regions of T.S of dicot and monocot root, shoot, leaf. 1. Explain the physical features and organ systems in frog
September	**Revision**		Practical exam to be conducted	

Month	Chapter/No. of periods	Second Term Scope/Sub-topics	Practicals	
October	**Chp 11) Photosynthesis**	Early expts, site of photosynthesis ,light reaction, electron transport, cyclic & non-cyclic photophosphorylation, chemio-osmotic hypothesis, Calvin cycle, c-4 pathway photo respiration. Ppt on photosynthesis.	12) study of plants pigments by paper chromatography 13) To study osmosis by potato osmometer.	1)Explain the observations made by the different scientists that led to the discovery of requirements for photosynthesis. 2.Explain process and parts involved in the light & dark reactions of photosynthesis.
	Chp 12) Respiration in plants	Glycolysis, fermentation, aerobic respiration, TCA cycle, ETS,respiratory quotient. PPT on plant respiration.	14) To study plasmolysis in epidermal peels of leaf.	1.Explain respiratory substrates and summarizes how in respiration oxidation of respiratory substrates generates energy in the form of ATP. 2.Explain steps of different anaerobic respiration. 3.Calculate the total net number of ATP generated by respiration of one molecule of glucose in aerobic and anaerobic respiration.
November	**Chp 13) Plant growth &development**	Growth, differentiation, dedifferentiation, redifferentiation, plant growth regulators, PPT on growth and differentiation in plants.	15) To study rate of respiration in germinating seeds. 16) To study rate of transpiration.	1.Explain arithmetic and geometric growth rate mathematically and in terms of cell division, expansion and differentiation. 2.Classify and explains plant growth hormones in terms of their chemistry & function with examples.
	Chp 14) Breathing & exchange of gases	Respiratory organs, mechanism of breathing, exchange of gases, transport of gases,		1.Correlate the structure of the parts of the human respiratory system to its functions.

		regulation of respiration, disorders of respiratory system.	17) To test urine for urea, albumin and glucose.	2.Define the meaning of different respiratory volumes and capacities. 3.Explain the transport of oxygen and carbon dioxide using the concept of partial pressure and solubility of gas.
	Chp 15) Body Fluids & circulation	Blood, lymph, circulatory pathways, double circulation, regulation of cardiac activity, disorders of circulatory system. PPT on structure of heart.		1.Compare the system of transport of materials in simple organisms with that in complex organisms. 2.Classify circulatory patterns into two types – open or closed – with examples and examines the anatomical comparison of two, three and four-chambered hears.
December	**Chp 16) Excretory products & their elimination**	Human Excretory system, urine formation, function of tubules, regulation of kidney function, micturition, disorders of the excretory system. PPT on structure & function of kidneys.		1.Draw neat and labelled figures of the human urinary system and L.S. kidneys. 2.Describe the role of different stages of urine formation— glomerular filtration, reabsorption, and secretion—and parts of the nephron involved. 3.Describe the structure and process in Henle's loop that maintains osmolarity of interstitial fluid

December	**Chp 17) Nervous control and coordination**	Human neural system, neuron as basic unit of neural system, central neural system, reflex action & reflex arc, sensory reception and processing. PPT on structure of brain.		1.Classifie the human neural system into central (CNS) and peripheral neural system (PNS) based on information processing and control. 2.Draw neat and labelled figures of the structure of neuron. 3.Explain the step-by-step mechanism of transmission of nerve impulse across a chemical synapse.
	Chp 18) Locomotion &movement	Types of movement, muscle, skeletal system, joints, disorders of skeletal & muscular system.	18) Study of human skeletal system & different types of joints.	1.Justify that all locomotion are movements, but all movements are not locomotion. 2.Describe the structure and function of muscle bundles, muscle fibres and sarcomere in muscles. 3.Summarize the mechanism of muscle contraction by the sliding of the thin filaments over the thick filaments using the sliding filament theory.

	Chp 19) Chemical coordination & Integration	Endocrine glands & hormones, human endocrine system, hormones of heart, kidney & IT, mechanism of hormone action.	Practical exam to be conducted	1.Define key terms like hormones; identifies the position of endocrine glands, illustrates their structure and enumerates their features. 2.Explain how the neural system and the endocrine system coordinate together to function. 3.Define key terms like hormones; identifies the position of endocrine glands, illustrates their structure and enumerates their features.
February	**Revision**	……	Final exams to be conducted	

Syllabus (2026-27)
Class: XI
Subject: Computer Science (083)

Duration	Unit/Topics	Learning Outcome	Project
April	**Unit 2: Computational Thinking & Programming – I**: Problem solving (algorithm, flowchart, pseudocode, decomposition). Introduction to Python: features, execution modes, tokens, variables, comments.	Students will develop problem-solving skills and understand the basics of Python programming.	Create **flowcharts for real-life problems** (ATM, billing system).
May	Data Types & Operators: numeric, boolean, sequence, dictionary; mutable/immutable. Operators, expressions, type conversion, input/output, errors.	Students will write basic Python programs using variables, operators and I/O statements.	Activity: **Simple calculator program**.
July	Flow of Control: conditional statements (if, if-else, if-elif-else) and iterative statements (for, while, break, continue, nested loops).	Students will implement decision-making and looping constructs in Python.	Programs: **factorial, table of a number.**
July – August	Strings: operations, methods. Lists: operations, methods, nested lists, programs (search, frequency, max/min).	Students will manipulate strings and lists for solving computational problems.	Mini project: **Marks analysis using lists**.
July – August (continued)	Tuples and Dictionary: operations, methods, traversal, programs. Python Modules: math, random, statistics.	Students will use advanced data structures and modules in Python programs.	Project: **Employee record using dictionary**; Activity: **Random quiz generator**.
September	Revision of Unit 2 (Python)	Students will consolidate programming concepts for assessment.	Quiz, debugging exercises.
October	**Unit 1: Computer Systems & Organisation**: Basic computer organisation, hardware, software, input/output devices, CPU, memory, units of memory. Types of software and Operating System functions.	Students will understand computer system components and the role of software and OS.	Create a **computer system chart/Presentation**.
November	Boolean Logic: logic gates, truth tables, De Morgan's laws. Number System: Binary, Octal, Decimal, Hexadecimal conversions.	Students will apply logic gates and perform number system conversions.	Activity: **Truth tables and number conversion practice**.

Duration	Unit/Topics	Learning Outcome	Project
November (continued)	Encoding schemes: ASCII, ISCII, Unicode.	Students will understand data representation and encoding schemes.	Create a **chart comparing encoding schemes**.
December	**Unit 3: Society, Law and Ethics**: Digital footprint, net etiquette, communication etiquette, data protection, IPR, cyber crime, cyber safety, malware.	Students will understand ethical and safe use of digital technologies.	Case study on **Cyber safety**.
January – Revision	E-waste management, IT Act, technology and society issues. Full syllabus revision.	Students will develop awareness of IT laws and revise the entire syllabus.	Group discussion + mock tests and full revision.

Syllabus (2026-27)

Class: XI

Subject : Web Application

MONTH	**Topics**	**SUB TOPICS**	**LEARNING OUTCOME**	**PROJECT BASED**
April	Chapter 2: Website Building Using HTML and CSS	Concept of website, its need and purpose ● Types of websites: Static and dynamic website ,Languages used for website development ● Introduction to HTML ● Basic Tags in HTML ● Formatting Tags & Inserting images ● Ordered Lists, Unordered Lists, Definition Lists, Inserting Tables	Understand fundamentals of web applications and HTML structure; create simple static web pages using lists,images and tables	Students will design a simple multi-section webpage for a bakery or restaurant named of their choice that includes list ,tables ,images, heading tags and formatting tags
May	Chapter 2: Website Building Using HTML and CSS (Continued.)	● Hyperlinks ○ Internal linking ○ External Linking ● Forms ●Embedding Audio and Video files in Web pages	Students will be able to create web pages using hyperlinks, including internal and external linking, to improve website navigation and connectivity.	Students will design a mini educational website on “Computer Networking and Web Development” using HTML. The website should include hyperlinks, forms, embedded audio/video, and information about networking concepts, communication channels with suitable examples and visuals.

July	Chapter 2: Website Building Using HTML and CSS (Continued..) Unit 1: Communication Skills-III Unit 2: Self-Management Skills-III	● Div and Span Tags ● Cascading Style Sheet and its need ● Three ways to implement CSS ○ External Style sheet ○ Internal style sheet ●CSS Comments ● CSS Syntax and Tags	Students will be able to apply different methods of implementing CSS, including inline, internal, and external style sheets, to format web pages effectively.	Students will design a multi-page website using HTML and CSS on a topic of their choice. The project should demonstrate the use of internal and external style sheets, CSS comments, and different styling properties to create a neat and attractive layout.
August	Chapter 1: Basics of Networking (Continued..)	● Concept of Network and Communication ● Components of Data Communication ● Advantages and Disadvantages of Networks ● Communication Channel, Bandwidth, Data Transfer Rate, IP Address, Network devices ●Types of Networks ● Network architecture and its Types ● Peer-to-Peer and Client-Server ● Network threats and Security measures ● Virus and Malware ● Phishing and Spam ● Denial of Service ● Security Tools	Students will identify common network threats such as viruses, malware, phishing, spam, and denial-of-service attacks, and understand their impact on digital communication and data security	Students will prepare a cyber safety awareness project or poster explaining different network types, architectures, cyber threats, and security tools. They may include real-life examples, preventive measures, posters, or case studies related to safe internet usage.
September	**Revision and Mid Term Examination**			

October	Chapter 3: Multimedia Design Using GIMP	• Introduction to Multimedia and Image Editing • Overview of GIMP Interface and Tools • Creating and Opening Images • Working with Layers and Layer Properties • Selection Tools and Techniques • Drawing and Painting Tools like • Text Tool, Color Picker Tool, Zoom Tool • Image Editing (Crop, Resize, Rotate, Flip) • Filters and Effects • Saving and Exporting Images in Different Formats • Creating Simple Graphics for Web (banners, logos, buttons)	Understand basics of multimedia and GIMP Use GIMP tools and interface Create and edit images Work with layers and selections Apply text, colors, filters, and effects Design simple web graphics	Prepare a simple business idea (product/service) in groups • Design a poster/advertisement to promote the product • Make a basic cost and profit estimate • Create a poster/banner on a school event using GIMP
November	Chapter 4: JavaScript Part 1 Unit 5: Green Skills-III	• Introduction to JavaScript • Variables and Data Types • Operators in JavaScript • Input and Output (alert, prompt, console)	Understand key concepts of the topic and apply them in real-life situations.	Students will create a digital project (presentation/poster/website) on a topic such as Cyber Safety, Environmental Awareness, or Digital India.
December	Chapter 4: JavaScript Part 1 (Continued) Unit 3: ICT Skills-III	• Conditional Statements (if, else) • Introduction to Functions • Communication and word processing application	Students will be able to write simple javascript embedded programs using conditional statements to solve real-life problems logically and efficiently.	Students will create a simple java script based application such as a calculator, grade checker, or menu-driven program using conditional statements and functions

January	Unit 4: Entrepreneurial Skills-III	• Significance of entrepreneurial values and attitude • Demonstrate the knowledge of attitudinal changes required to become an entrepreneur	Students will strengthen their understanding through practice and application-based activities. also learn importance of entrepreneurial skills, qualities of an entrepreneur, and the role of entrepreneurship in economic and social development	Students will prepare a small business idea or startup plan based on local needs. They may create a presentation or report including the business objective, target audience, required resources, and marketing strategies.
February	**Revision And Final Term Examination**			

Syllabus (2026-27)
Class : XI
Subject: Painting (049)

Month	Theory	Practical	Learning Outcomes
April Working Days-23	Art-An Introduction **Chapter-1** 1.Visual Art, Performing Art, Literary Art 2.Dimensions, Line, Perspective, Proportion	Still life Drawing-with poster colour and pencil shading. Landscape Drawing and Painting-Outdoor study, Painting from Memory	Theory- Students will identify the foundational elements of visual art — line, dimension, proportion, and perspective. Practical: Students will execute still life and landscape compositions using poster colour and pencil shading.
May Working Days-19	Art **Chapter-2** 1.Art and Culture (Six Limbs) **Chapter-3** 1.Origin and Development of Different Forms of Fine Arts in India, 3. Composition, Alignment 4. Traditional Art, Modern	Simple exercises of basic design in variation of geometric and rhythmic shapes. Outdoor study, Painting from Memory	Theory-. Students will interpret the Six Limbs of Indian art and trace the origins of Fine Arts forms across India. Practical: Students will construct geometric and rhythmic design exercises and strengthen memory-based painting.
July Working Days-25	**Chapter-4** Prehistoric Rock Paintings **Chapter-5** Art of Indus Valley Dancing Girl, Male Torso, Mother Goddess, Study of Unicorn Bull, Painted Earthenware	Outdoor study-Nature, Foliage (Pencil shading and Water colour)	Theory- Students will examine the visual language and cultural significance of Prehistoric rock paintings and Indus Valley artefacts. Practical: Students will apply watercolour and shading techniques through direct observation of natural foliage.

August **Working** **Days-21**	**Chapter-6** The Art during Mauryan, Shunga, Kushana and Gupta Periods.	Fruits, Vegetables, Abstract Landscape Painting	Theory-Students will distinguish the artistic characteristics across the Mauryan, Shunga, Kushana, and Gupta periods. Practical: Students will produce fruit, vegetable, and abstract landscape works using observational and imaginative approaches.
September **Working** **Days-24**	**Chapter-7** Art of Ajanta Caves Paintings- 1. Bodhisattava Padmapani (Ajanta) Sculpture- 1.Mara Vijay	1. Sketching from Nature and Imagination 2. Still Life Study 3. Painting Composition	Theory- Students will analyse the compositional and iconographic features of Ajanta cave paintings and sculpture. Practical: Students will develop sketching fluency through nature, imagination, still life, and compositional exercises.
October **Working** **Days-20**	**Chapter-8** Artistic Aspects of Indian Temple Schulptures , Study of Temple- Sculptures **Chapter-9** Indian Bronze Sculptures.	1. Sketching from Nature and Imagination 2. Still Life Study, Drapery Study 3. Painting Composition theme Based	Theory- Students will compare the sculptural vocabulary of Indian temple art with the distinct tradition of Indian bronze casting. Practical: Students will integrate drapery study and theme-based composition to build expressive range.
November **Working** **Days-18**	**Chapter-9** 1.Qutub minar 2. Gol gumbaz	Completed Portfolio- 1.Four selected nature and object study. 2. Two selected painting composition 3. One selected works based on any Indian Folk Art	Theory-Students will evaluate the architectural significance of Qutub Minar and Gol Gumbaz within India's Islamic heritage. Practical: Students will compile a portfolio demonstrating competency across nature study, composition, and folk art.
December **Working** **Days-23**	Solve model question papers	Portfolio checking	Theory-Students will consolidate learning across all chapters by attempting model question papers under timed conditions. Practical: Students will refine portfolio pieces to achieve the presentation and finishing standards required for assessment.

January Working Days-16	Revision Work	Practice	Theory-Students will synthesise knowledge from all units through structured revision in preparation for the final examination. Practical: Students will demonstrate accumulated skills through sustained practice ahead of the board practical.

Syllabus (2026-27)

Class: XI

Subject: Hindustani Music-Vocal (034)

MONTH	THEORY	PRACTICAL	LEARNING OUTCOMES
APRIL	Description of Rag Bhairavi along with the notation of Drut Khayal composition. Life sketch and contribution of Tansen.	One Drut Khayal with simple elaboration and few tanas in Raga Bhairavi.	Students will recall and describe the life and musical contributions of Tansen. They will also organize and construct the notation for a Drut Khayal in Raga Bhairavi. Students will perform a Drut Khayal in Raga Bhairavi with simple elaborations and demonstrate accurate tanas.
MAY	Description of Teentala along with Thah, Dugun and Chaugun. Brief History of the following Dhrupad, Khayal and Tarana.	One Dhrupad with Dugun in Raga Bhairavi. Recitation of the Thekas of Teentala with Dugun and Chaugun, keeping Tala with hand beats.	Students will classify and describe the historical evolution of Dhrupad, Khayal, and Tarana. They will also produce the notation for Teentala in Thah, Dugun, and Chaugun layakaris. Students will perform a Dhrupad with Dugun in Raga Bhairavi and repeat the theka of Teentala using handbeats to maintain rhythm.

JULY	Brief study of the following: Nada, Shruti, Swar, Saptak, Thaat, Jati, Laya, Tala. Description of Rag Bihag along with the notation of Drut Khayal composition.	One Drut Khayal with simple elaboration and few tanas in Raga Bihag.	Students will analyze and define fundamental musical concepts such as Nada, Shruti, Swar, Saptak, Thaat, Jati, Laya, and Tala. They will also construct the notation for Raga Bihag. Students will demonstrate and practice a Drut Khayal in Raga Bihag, focusing on its specific melodic structure.
AUGUST	Knowledge of the Structure of Tanpura Life sketch and contribution of V.N. Bhatkhande.	Devotional Song.	Students will recognize and describe the physical structure and functional parts of a Tanpura. They will also recall the contribution of Pt. V.N. Bhatkhande to Indian music. Students will perform a Devotional Song, focusing on the ability to express soulful and melodic phrasing.
SEPTEMBER	Revision (Mid term exams)	Revision (Mid term exams)	

OCTOBER	Description of Rag Bhimpalasi along with the notation of Drut Khayal composition. Description of Chautala along with Thah, Dugun and Chaugun.	One Drut Khayal with simple elaboration and few tanas in Raga Bhimpalasi. Recitation of the Thekas of Chautala with Dugun and Chaugun, keeping Tala with hand beats.	Students will organize the notation for Raga Bhimpalasi and produce the notation for Chautala in various layakaris. Students will perform a Drut Khayal in Raga Bhimpalasi and execute the rhythm of Chautala accurately with handbeats.
NOVEMBER	Notation of the composition of Vilambit Khayal in Rag Bhimpalasi. Brief study of the following: Margi-Desi Sangeet, Raga. Life sketch and contribution of V.D.Paluskar.	One Vilambit Khayal with simple elaborations and few tanas in Raga Bhimpalasi.	Students will differentiate between Margi and Desi Sangeet and recall the life sketch of Pt. V.D. Paluskar. They will also construct the notation for a Vilambit Khayal in Raga Bhimpalasi. Students will practice and perform a Vilambit Khayal in Raga Bhimpalasi, using simple elaborations to express the raga's depth.

DECEMBER	Brief study of Musical Elements in Natya Shastra. Description of Ektala along with Thah, Dugun and Chaugun.	Recitation of the Thekas of Ektala with Dugun and Chaugun, keeping Tala with hand beats.	Students will analyze the musical elements presented in the Natya Shastra and produce the notation for Ektala. Students will repeat and show the thekas of Ektala with Dugun and Chaugun layakaris using handbeats.
JANUARY	Critical study of Prescribed Ragas. Recognizing Ragas from phrases of Swaras and elaborating them.	Ability to recognize the prescribed Ragas from the phrases of Swaras rendered by the Examiner.	Students will evaluate and identify prescribed Ragas (Bhairavi, Bihag, Bhimpalasi) from specific swara phrases. They will be able to elaborate and recognize musical patterns rendered by an examiner to demonstrate complete mastery.
FEBRUARY	Revision (Final term exams)	Revision (Final term exams)	

पाठ्यकम (2026-27)
कक्षा–ग्यारहवीं
विषय : हिन्दी (302)

माह	गद्य (आरोह)	काव्य (आरोह)	पूरक पुस्तक (वितान)	अभिव्यक्ति और माध्यम	अधिगम उद्देश्य
अप्रैल	1. नमक का दारोगा (प्रस्तुत कहानी में धन के ऊपर धर्म की जीत दिखाई गई है। उपर्युक्त कथन को चित्र द्वारा दर्शाइए।)	1. हम तौ एक-एक करि जाना। 2. मेरे तो गिरधर गोपाल, दूसरो न कोई।		दी गई घटना/स्थिति के आधार पर रचनात्मक लेखन, अपठित गद्यांश, अपठित पद्यांश।	1. सत्यनिष्ठा और न्यायप्रियता जैसे मानवीय मूल्यों के प्रति सकारात्मक दृष्टिकोण विकसित करना। 2. भक्ति, समर्पण और आध्यात्मिक मूल्यों के प्रति सकारात्मक दृष्टिकोण विकसित करना। 3. अपठित गद्यांश/पद्यांश के मुख्य भाव तथा विचारों को समझने में सक्षम बनाना।
मई	2. मियाँ नसीरुद्दीन (पाठ में आए रोटियों के अलग- अलग नामों की सूची बनाएँ और इनके बारे में जानकारी प्राप्त करें।)	3. घर की याद		जनसंचार माध्यम- संचार, संचार के तत्व, संचार के प्रकार, जनसंचार की विशेषताएँ, संचार के कार्य, जनसंचार के कार्य, भारत में जनसंचार माध्यमों का विकास, जनसंचार माध्यमों का प्रभाव। औपचारिक पत्र लेखन।	1. नए शब्दों के अर्थ समझने और उनका सही प्रयोग करने के लिए प्रेरित करना। 2. संचार तथा जनसंचार के कार्यों से अवगत कराना। 3. घर, परिवार और अपनेपन की भावना के महत्व को समझने में सक्षम बनाना। 4. लेखन कौशल का विकास करना।
जुलाई	3. अपू के साथ ढाई साल (फ़िल्म की शूटिंग के समय आने वाली समस्याओं को समझने के लिए छात्र सत्यजित राय द्वारा निर्मित फ़िल्म- 'पथेर पांचाली' के अंश देखेंगे।)	4. चंपा काले-काले अक्षर नहीं चीन्हती	1. भारतीय गायिकाओं में बेजोड़: लता मंगेशकर	पत्रकारिता के विविध आयाम- पत्रकारिता, समाचार, समाचार के तत्व, संपादन, पत्रकारिता के अन्य आयाम, पत्रकारिता के प्रमुख प्रकार, समाचार माध्यमों में मौजूदा रुझान। दी गई घटना/स्थिति के आधार पर रचनात्मक लेखन। औपचारिक पत्र लेखन। डायरी लिखने की कला	1. पशुओं के प्रति प्रेम, सहानुभूति और संवेदनशीलता की भावना विकसित करना। 2. शिक्षा के प्रति जागरूकता व सकारात्मक दृष्टिकोण विकसित करना। 3. लता मंगेशकर के जीवन और संगीत के क्षेत्र में उनके योगदान से परिचित कराना। 4. पत्रकारिता के विभिन्न आयामों और प्रमुख प्रकारों को समझने में सक्षम बनाना।

					5. स्पष्ट, विनम्र और उचित भाषा के प्रयोग की क्षमता का विकास करना। 6. अपने विचारों, अनुभवों और भावनाओं को लिखित रूप में व्यक्त करने के लिए प्रेरित करना।
अगस्त	4. विदाई संभाषण (पाठ में आए अलिफ़ लैला, अलहदीन, अबुल हसन, और बगदाद के खलीफ़ा- में से किसी एक का चित्र लगाकर उसकी जानकारी लिखिए।)		2.राजस्थान की रजत बूँदें	शब्दकोश, संदर्भ ग्रंथों की उपयोगी विधि और परिचय। मध्यावधि परीक्षा पाठ्यक्रम पुनरावृत्ति	1. मानवता को प्रमुखता देने के गुणों का विकास करना। 2. जल के महत्व तथा जल-संरक्षण की आवश्यकता को समझने में सक्षम बनाना। 3. स्वाध्याय और खोजपूर्ण अध्ययन की प्रवृत्ति का विकास करना।
सितम्बर	5. गलता लोहा			कार्यालयी लेखन और प्रक्रिया- औपचारिक पत्र, कार्यसूची, कार्यवृत्त, प्रेस विज्ञप्ति, परिपत्र।	1. श्रम, संघर्ष और परिश्रम के महत्व को समझकर इन गुणों को जीवन में अपनाने के लिए प्रेरित करना। 2. कार्यालयी लेखन प्रकारों से परिचित कराना।
अक्तूबर	6. रजनी (पाठ के किसी एक दृश्य को संवाद के रूप में लिखिए।)	5. गज़ल		दी गई घटना/स्थिति के आधार पर रचनात्मक लेखन।	1. सामाजिक मूल्यों और जीवन के आदर्शों से अवगत कराना। 2. नई शब्दावली से परिचित कराना। 3. पठन, समझ और अभिव्यक्ति क्षमता का विकास करना। 4. औपचारिक लेखन कौशल का विकास करना।
नवम्बर	7. जामुन का पेड (जामुन के पेड़ के नीचे दबे आदमी की फ़ाइल बंद होने (मृत्यु) के लिए ज़िम्मेदार किसी एक व्यक्ति का	6. हे भूख मत मचल 7. हे मेरे जूही के फूल जैसे ईश्वर		कथा-पटकथा अपठित गद्यांश अपठित पद्यांश।	1. प्रशासनिक व्यवस्था और उसकी विसंगतियों को समझने में सक्षम बनाना। 2. इंद्रियों को वश में करके मानवीय संवेदना जागृत करना।

	काल्पनिक साक्षात्कार करें और लिखें।)				3. प्रकृति और आध्यात्मिकता के प्रति संवेदनशीलता विकसित करना। 4. कथा और पटकथा के बीच के अंतर का समझने में सक्षम बनाना। 5. प्रश्नों के अनुसार सही और स्पष्ट उत्तर लिखने की क्षमता का विकास करना।
दिसम्बर		8. सबसे खतरनाक	3. आलो आँधारि	स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र। दी गई घटना/स्थिति के आधार पर रचनात्मक लेखन जनसंचार माध्यम और पत्रकारिता के विविध आयाम।	1. समाज में अन्याय, शोषण और उदासीनता के प्रति जागरूक करना। 2. जीवन के संघर्षों और परिस्थितियों को समझने में सक्षम बनाना। 3. रोज़गार संबंधी आवेदन पत्र लिखने की सही विधि से अवगत कराना।
जनवरी	8. भारत माता	9. आओ मिलकर बचाएँ		औपचारिक पत्र लेखन	1. देशप्रेम, राष्ट्रीय एकता और सामाजिक ज़िम्मेदारी की भावना विकसित करना। 2. पर्यावरण संरक्षण के महत्व से परिचित कराना। 3. लेखन कौशल का विकास करना।
फरवरी				वार्षिक परीक्षा पाठ्यक्रम पुनरावृत्ति	

- निम्नलिखित पाठों से प्रश्न नहीं पूछे जाएँगे।
  आरोह भाग - 1

➢ काव्य खंड- 1. कबीर (पद 2) - संतो देखत जग बौराना
2. मीरा (पद 2) - पग घुंगरू बाँधि मीरा नाची
3. रामनरेश त्रिपाठी - पथिक (पूरा पाठ)
4. सुमित्रानंदन पंत - वे आँखें (पूरा पाठ)

- गद्य खंड- 1. कृष्णनाथ - स्पीति में बारिश (पूरा पाठ)
  2. सैयद हैदर रज़ा - आत्मा का ताप (पूरा पाठ)

Political Science

Prescribed Book:-

- Political Theory (NCERT) + Additional Material given by CBSE
- Indian Constitution at Work (NCERT) Additional Material given by CBSE

Months	Chapters	Activity	Learning Outcome
April	**Book 1** Ch -1 Constitution: Why & How Ch- 9 Constitution as a living document Ch-10 Philosophy of the Indian Constitution	• Graphic Organiser	• Understand the historical processes and the circumstances in which the Indian Constitution was drafted. • Critically evaluate how constitutions, govern the distribution of power in society. • Analyse the working of the Constitution in real life • Analyse the working of the Constitution • Analyse why the Constitution is called a Living Document. • Appreciate the philosophical vision of our Constitution. • Recognise the core features of the Indian Constitution.
May	Ch -2 Rights in the Indian Constitution. Ch -3 Election & Representation	• Cartoon Interpretation • Map Work	• Identify violations of the rights to equality and freedom in the society around them • Justify the need for reasonable restrictions on the rights guaranteed. • Identify different types and methods of election • Develop critical thinking about the role of various stakeholders in ensuring free and

			fair elections. • Demonstrate the innate role played by Election Commission • alyse the composition and functioning of the executive.
July	Ch- 5 Legislature Ch- 4 Executive Ch- 6 Judiciary	• Graphic Organiser • Map Work	• Describe the law- making process in India. • Differentiate between the powers and functions of Lok Sabha and Rajya Sabha. • Examine the parliamentary control over the Executive. • Recognise the meaning of Executive. • Compare and contrast the Parliamentary and Presidential Executive. • Compare and contrast the different jurisdictions • Analyse the reasons why Judiciary has become proactive. • Examine the reasons for the conflicts between the judiciary and parliament with respect to Constitutional Amendments.
August	Ch- 7 Federalism + Map Work Ch- 8 Local Government + Map Work **Book 2** Ch-1 Political Theory: An Introduction	• Graphic Organiser	• Identify the objectives, functions and sources of income of rural and urban local government bodies • Justify the significance of 73rd and 74th constitutional amendments • Acknowledge and examine the significance of decentralization • Define the term politics and identify various political principles. • Explain the innate ideas of various

			Political theories.
September	Revision for Mid Term		
October	Ch- 2 Freedom Ch- 3 Equality		• Critically evaluate the dimensions of negative and positive liberty. • Demonstrate spirit of enquiry • Explain the ideas introduced by J.S. Millin Harm Principle. • Assess how equality is perceived through different ideologies • Recognise the means and methods to promote equality.
November	Ch -4 Social Justice Ch- 5 Rights Ch- 6 Citizenship	• Map Work	• Enlist the basic minimum requirements of people for living a healthy and productive life. • State John Rawls' theory of veil of ignorance. • dentify the need for rights and its importance to mankind. • why rights need to be sanctioned by law. • Contribute to meaningful discussion on ways of granting citizenship. • Discuss the probable solutions or alternatives to solve citizenship issue
December	Ch-7 Nationalism Ch- 8 Secularism	• Concept Map	• Understand the concepts of nation and nationalism • Assess the strengths and limitations of nationalism. • Identify and build an understanding on the factors related to creation of

			collective identities • Differentiate between Inter-religious and Intra-Religious Domination. • Recognise the concept of a Secular State. • Compare Western and Indian Model of Secularism.
January	Revision with sample papers Map Practice		
February	Revision of the syllabus		

Syllabus 2026-27

Class XI

Subject: Psychology

Prescribed Book: -+

1. Psychology, Class XI, Published by NCERT

Months	Chapters	Activity	Learning Outcomes
April	Ch:1 Understanding Psychology	Paste the pictures and write about the contribution of the famous psychologists.	• Explain the role of psychology in understanding mind and behaviour. • State the growth of the discipline • Know the different fields of psychology, its relationship with other disciplines, professions. • Appreciate the value of psychology in daily life to help you understand yourself and others better.
May	Ch:1 Understanding Psychology (continued) Ch:2 Methods of Enquiry in Psychology	Quiz related to the methods of research that can be used to collect data will be conducted.	• Explain the goals and nature of psychological enquiry. • Understand different types of data used by psychologists. • Describe some important methods of psychological enquiry. • Understand the methods of analysing data • Learn about the limitations of psychological enquiry and ethical considerations.
July	Ch:4 Human Development	Classroom discussion will be held to discuss the various kinds of developments that take place in different age groups. Classroom activities will be done.	• Describe the meaning and process of development. • Explain the influence of heredity, environment and context on human development. • Identify the stages of development and describe the major characteristics of infancy, childhood,

			adolescence, adulthood and old age. • Reflect on your own course of development and related experiences.
August	Ch:6 Learning	Experiment	• Describe the nature of learning. • Explain different forms or types of learning and the procedures used in such types of learning. • Understand various psychological processes that occur during learning and influence its course. • Explain the determinants of learning.
September	Revision for Mid Term		
October	Ch:7 Human Memory	Experiment	• Understand the nature of memory. • Distinguish between different types of memory. • Explain how the contents of long-term memory are represented and organized. • Appreciate the constructive and reconstructive processes in memory • Understand the nature and causes of forgetting. • Learn the strategies for improving memory.
November	Ch:8 Thinking	Think about a problem whereyou need to use creative thinking. Use the process and strategies of creative thinkingto solve the problem.	• Describe the nature of thinking and reasoning, • Demonstrate an understanding of some cognitive processes involved in problem solving and decision-making. • Understand the nature and process of creative thinking and learn ways of enhancing it. • Understand the relationship between language and thought. • Describe the process of language development and its use.
December	Ch:9 Motivation and Emotion	Demonstration of Maslow'sHierarchy of Needs with thehelp of a chart.	• understand the nature of human motivation. • Describe the nature of some important motives

			• Describe the nature of emotional expression. • Understand the relationship between culture and emotion. • Know how to manage your own emotions.
January	Ch:5 Sensory, Attentional and Perceptual Processes	Mindful meditation followed by the discussion on the experience of it. Stand in 'Vrakshasan' with eyes open and close followed by discussion on what happened.	• understand the nature of sensory processes • Explain the processes and types of attention, • Analyse the problems of form and space perception. • Examine the role of socio-cultural factors in perception. • Reflect on sensory, attentional and perceptual processes in everyday life.
February	Revision		

ART INTEGRATION ACTIVITY:

- To conduct a survey/movie analysis and collect data using any method of enquiry in Psychology.
- To conduct two experiments which focus on cause-and-effect relationship. It can be done on Learning, Memory, Perception, Attention.