Sunbeam Academy

Samneghat, Varanasi
SYLLABI
(SESSION: 2025-26)
CLASS - XI

SUBJECT: ENGLISH (Core) 301

PRESCRIBED BOOKS:	1. Hornbill 2. Snapshots 3. Together With – Rachna Sagar

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL + MAY	22+21	**Hornbill:** The Portrait of a Lady (Prose) A Photograph (Poem) We are not afraid to die (Prose) **Snapshots:** The summer of the beautiful white horse (prose) **Grammar:** 1. Tenses 2. Speech **Unseen Passage:** Descriptive, Case based and Note Making.
JUNE + JULY	6+18	**Hornbill:** The Laburnum Top (Poem) Discovering Tut: The saga continues. **Snapshots:** The Address (Prose) **Grammar:** Reordering words/phrases or sentences. **Writing:** Classified Advertisements **Unseen Passage:** Note Making
AUG + SEP	23+12	**Snapshots:** Mother's Day **Writing:** Debate, poster making **Project Work:** File work and ASL
OCT	20	**Hornbill:** The voice of the Rain (Poem) The Adventure (Prose) Childhood (Poem) **Grammar:** Clauses
NOV	24	**Hornbill:** Silk Road (Prose) **Snapshots:** Birth (Prose) **Grammar:** Transformation of Sentences
DEC	13	**Hornbill:** Father to Son **Snapshots:** The Tale of Melon City **Writing:** Poster Making
JAN	19	**Project Work:** File work and ASL
FEB + MAR	18+22	**REVISION + ANNUAL EXAMINATIONS**

EXAMINATIONS -2025-26

NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
UNIT TEST - I	JULY	30	1. The Portrait of the Lady (Prose) 2. The summer of the beautiful white horse (Prose)

				3. A Photograph (Poem) 4. Note Making 5. Advertisement 6. Speech 7. Tenses

HALF YEARLY	SEP	80		**Unseen Passage:** Descriptive, Case based and Note Making.
				Grammar: 1. Tenses
				         2. Reordering words/phrases or sentences.
				Writing: 1. Classified Advertisements, poster making
				       2. Debate
				       3. Speech
				Hornbill: 1. The Portrait of a Lady (Prose)
				      2. A Photograph (Poem)
				      3. We are not afraid to die (Prose)
				      4. The Laburnum Top (Poem)
				      5. Discovering Tut: The saga continues.
				Snapshots: 1. The summer of the beautiful white horse (prose)
				      2. The Address (Prose)
				      3. Mother's Day

UNIT TEST - II	NOV	30		1. Voice of the Rain 2. Birth 3. The Adventure 4. Poster Making 5. Debate. 6. Note Making. 7. Tenses, Clauses
ANNUAL EXAMINATION	FEB – MAR	80		FULL SYLLABUS

SUBJECT: PHYSICS (042)

PRESCRIBED BOOKS:
1. Physics, Class XI, Part -I and II, Published by NCERT.
2. Laboratory Manual Of physics of class XI Published by GRB/Arya Publication
3. Reference book of physics of class XI by SL ARORA.

MONTH	NO. OF WORKING DAYS	TOPICS
April + May + June	22 + 6 + 18	**Unit–I Physical World and Measurement** **Chapter–2: Units and Measurements** Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures. Dimensions of physical quantities, dimensional analysis and its applications. **Unit-II Kinematics** **Chapter–3: Motion in a Straight Line** Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and

		nonuniform motion, and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical treatment).
		PRACTICAL
		1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
		2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.
		3. To determine volume of an irregular lamina using screw gauge.
July	18	**Chapter–4: Motion in a Plane**
		Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors.
		Motion in a plane, cases of uniform velocity and uniform acceleration projectile motion, uniform circular motion.
		Unit–III Laws of Motion
		Chapter–5: Laws of Motion
		Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.
		Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.
		Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).
		PRACTICAL
		4. To determine radius of curvature of a given spherical surface by a spherometer.
August	23	**Unit–IV Work, Energy and Power**
		Chapter–6: 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.
		Unit–V Motion of System of Particles and Rigid Body
		Chapter–7: 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.
		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)
			PRACTICAL
			5. To find the weight of a given body using parallelogram law of vectors
			6. Using a simple pendulum, plot its L-T2 graph and use it to find the effective length of second's pendulum.
SEP	12		**Unit-VI Gravitation**
			Chapter–8: Gravitation
			Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape speed, orbital velocity of a satellite.
			PRACTICAL
			7. 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.
OCT	20		**Unit–VII Properties of Bulk Matter**
			Chapter–9: 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.
			Chapter–10: Mechanical Properties of Fluids
			Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.
			PRACTICAL
			8. To find the force constant of a helical spring by plotting a graph between load and extension.
NOV	13		**Chapter–11: 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. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.
			Unit–VIII Thermodynamics
			Chapter–12: Thermodynamics
			Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.
			PRACTICAL
			9. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.

| DEC + JAN | 13+19 | **Unit–IX Behaviour of Perfect Gases and Kinetic Theory of Gases**
Chapter–13: Kinetic Theory
Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.
Unit–X Oscillations and Waves
Chapter–14: Oscillations
Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications.
Simple harmonic motion (S.H.M) 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.
Chapter–15: Waves
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.
PRACTICAL
10. To study the relation between the length of a given wire and tension for constant frequency using sonometer.
11. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions. |
| FEB + MAR | 22 | **REVISION**
(ANNUAL EXAMINATION) |

EXAMINATIONS -2025-26			
NAME OF THE EXAMINATION	**MONTH**	**MAX MARKS**	**CHAPTER/TOPICS**
UNIT TEST - I	**JULY**	**30**	**Unit–I Physical World and Measurement** Chapter–2: Units and Measurements **Unit-II Kinematics** Chapter–3: Motion in a Straight Line Chapter–4: Motion in a Plane
HALF YEARLY	**SEP**	**70**	Units and Measurements, Motion in a Straight Line, Motion in a Plane, Force and Laws of motion ,Work power and Energy, system of particle and rotational motion.
UNIT TEST – II	**DEC**	**30**	Gravitation, Mechanical Properties of Solids, Mechanical Properties of Fluids.
ANNUAL EXAMINATION	**FEB - MAR**	**70**	**FULL SYLLABUS**

SUBJECT: CHEMISTRY (043)

PRESCRIBED BOOKS:
1. Chemistry, Class XI, Part -I and II, Published by NCERT.
2. Chemistry, Class XI, Lab Manual, Published by GRB.

MONTH	NO. OF WORKING DAYS	TOPICS
APR+MAY	22+21	**Bridge course** **Unit I: Some Basic Concepts of Chemistry** General Introduction: Importance and scope of Chemistry. Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.
JUN+JULY	6+18	**Unit II: Structure of Atom** Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals – Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.
AUG	23	**Unit III: Classification of Elements and Periodicity in Properties** Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100.
SEP	12	**Unit IV: Redox Reactions** Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.
OCT	20	**Unit V: 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 hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.
NOV	22	**Unit VI: Chemical Bonding and Molecular Structure** Valence electrons, ionic bond, covalent bond, bond parameters, Lewis's structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), Hydrogen bond. **Unit VII: Chemical Thermodynamics** Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of ΔU and ΔH, Hess's law of constant heat summation,

		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).
DEC + JAN	13+19	**Unit VIII: Equilibrium 20 Periods** 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) **Unit IX: 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, the 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, the structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water. Aromatic Hydrocarbons :- Introduction, IUPAC nomenclative, benzene, resource, aromaticity, chemical properties mechanism of electrophilic substitution reason, Nitration, sulphuration, Halogenation, Friedel Craft alkylation and acylation , directive n fluence of functional group in monosubstituted benzene, carcinogenicity and toxicity.
FEB + MAR	10	**REVISION** **(ANNUAL EXAMINATION)**

EXAMINATIONS -2025-26			
NAME OF THE EXAMINATION	**MONTH**	**MAX MARKS**	**CHAPTER/TOPICS**
UNIT TEST - I	**JULY**	**30**	**1. Some basic concept of chemistry** **2. Structure of Atom**
HALF YEARLY	**SEP**	**70**	**1. Some basic concepts of chemistry** **2. Structure of Atom** **3. Classification of elements and periodicity in properties**

			4. Redox reaction
UNIT TEST - II	DEC	30	Chemical bonding and organic chemistry(GOC)
ANNUAL EXAMINATION	FEB - MAR	70	**FULL SYLLABUS** (customization can be done)

SUBJECT: MATHS (041)

PRESCRIBED BOOKS:
1) Mathematics Textbook for Class XI, NCERT Publications
2) Mathematics Exemplar Problem for Class XI, Published by NCERT
3) Mathematics Lab Manual class XI, published by NCERT

MONTH	NO. OF WORKING DAYS	TOPICS
April +MAY + JUNE	22+ 21 + 6	**Unit 1: Sets and Function** **1. Sets** Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement. **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 (up to R x R x R).Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.
JULY	18	**3. Trigonometric Functions** Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity sin2x + cos2x = 1, for all x. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing *sin (x ± y)* and *cos (x ± y)* in terms of sin*x*, sin*y*, cos*x* & cos*y* and their simple applications. Deducing identities like the following: $$\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$$ $$\sin\alpha \pm \sin\beta = 2\sin\frac{1}{2}(\alpha \pm \beta)\cos\frac{1}{2}(\alpha \mp \beta)$$ $$\cos\alpha + \cos\beta = 2\cos\frac{1}{2}(\alpha + \beta)\cos\frac{1}{2}(\alpha - \beta)$$ $$\cos\alpha - \cos\beta = -2\sin\frac{1}{2}(\alpha + \beta)\sin\frac{1}{2}(\alpha - \beta)$$ Identities related to sin2*x*, cos2*x*, tan2 *x*, sin3*x*, cos3*x* and tan3*x*. **Unit-II: Algebra** **1. Complex Numbers and Quadratic Equations**

		Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane
AUG	23	**2. Linear Inequalities** Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. **3. Permutations and Combinations** Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for ^nP_r and ^nC_r and their connections, simple applications.
SEP	12	**4. Binomial Theorem** Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.
OCT	20	**5. Sequence and Series** Sequence and Series A.P. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. **Unit-III: Coordinate Geometry** **1. Straight Lines** Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form, Numeral form General Distance of a point from a line.
NOV	24	**2. Conic Sections** Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle. **3. Introduction to Three-dimensional Geometry** Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points. Section formula (External & Internal Division)
DEC	13	**Unit-IV: Calculus** **1. Limits and Derivatives** Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative relate it to scope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.
JAN	23	**Unit-V Statistics and Probability** **1. Statistics** Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data. **2. Probability** Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.

FEB + MAR	22	Revision Annual Examination

EXAMINATIONS (2025-26)			
NAME OF THE EXAMINATION	**MONTH**	**MAX MARKS**	**CHAPTER/TOPICS**
UNIT TEST - I	**JULY**	**30**	**1. Sets** **2. Relations & Functions**
HALF YEARLY	**SEP**	**80**	**Sets, Relations And Functions, Trignometric Functions, Complex Numbers, Quadratric equations, Linear Inequalities, Permutations And Combinations, Binomial Theorem**
UNIT TEST - II	**DEC**	**30**	**1. Straight Lines** **2. Sequence and Series**
ANNUAL EXAMINATION	**FEB - MAR**	**80**	**FULL SYLLABUS**

SUBJECT: BIOLOGY (044)

PRESCRIBED BOOKS:
Prescribed Books:
1. Biology Class-XI, Published by NCERT
2. Other related books and manuals published by Arya/GRB publication (consider class notes also)
3. Reference book – Companion Biology – XII by Dinesh Publication

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL + MAY	22+21	**Chapter-1: The Living World** Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature **Chapter-2: Biological Classification** Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids. **Chapter-3: Plant Kingdom** Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta, Gymnospermae (Topics excluded – Angiosperms, Plant Life Cycle and Alternation of Generations)
JUNE + JULY	6+18	**Chapter-4: Animal Kingdom** Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level (salient features and at a few examples of each category). (No live animals or specimen should be displayed.) **Unit-II Structural Organization in Animals and Plant** **Chapter-5: Morphology of Flowering Plants** Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae **Chapter-6: Anatomy of Flowering Plants** Anatomy and functions of tissue systems in dicots and monocots.

AUG + SEP	23+12	**Chapter-7: Structural Organisation in Animals** Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog. **Unit-III Cell: Structure and Function** **Chapter-8: Cell-The Unit of Life** Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.
OCT	20	**Chapter-9: Biomolecules** Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids; Enzyme - types, properties, enzyme action. (Topics excluded: Nature of Bond Linking Monomers in a Polymer, Dynamic State of Body Constituents – Concept of Metabolism, Metabolic Basis of Living, The Living State) **Chapter-10: Cell Cycle and Cell Division** Cell cycle, mitosis, meiosis and their significance **Unit-IV Plant Physiology** **Chapter-11: Photosynthesis in Higher Plants** Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis
NOV	13	**Chapter-12: Respiration in Plants** Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient **Unit-V Human Physiology** **Chapter-14: Breathing and Exchange of Gases** Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.
DEC	13	**Chapter-15: body fluids and circulation** Composition of blood, blood groups, coagulation of blood; composition of lymph and its functions; human circulatory system – structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system – hypertension, coronary artery disease, angina pectoris, heart failure. **Chapter-16: Excretory Products and their Elimination** Modes of excretion – ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in

		excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant. **Chapter-17: Locomotion and Movement** Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.
JAN	12	**Chapter-18: Neural Control and Coordination** Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse **Chapter-19: Chemical Coordination and Integration** Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease. **Note:** Diseases related to all the human physiological systems to be taught in brief.

EXAMINATIONS(2025-26)

NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
UNIT TEST - I	JULY	30	**Chapter-1: The Living World** **Chapter-2: Biological Classification** **Chapter-3: Plant Kingdom** **Chapter-4: Animal Kingdom**
HALF YEARLY	SEP	70	**CHAPTER 1 TO CHAPTER 8**
UNIT TEST - II	DEC	30	**Chapter-9: Biomolecules** **Chapter-10: Cell Cycle and Cell Division** **Chapter-11: Photosynthesis in Higher Plants** **Chapter-12: Respiration in Plants**
ANNUAL EXAMINATION	FEB - MAR	70	**FULL SYLLABUS**

PRACTICAL

A: List of Experiments

1. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can besubstituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary).
3. Study of osmosis by potato osmometer.
4. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb).
5. Study of distribution of stomata on the upper and lower surfaces of leaves.
6. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves.
7. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.

8. Separation of plant pigments through paper chromatography.

9. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.

10. Test for presence of urea in urine.

11. Test for presence of sugar in urine.

12. Test for presence of albumin in urine.

13. Test for presence of bile salts in urine.

B. Study and Observe the following (spotting):

1. Parts of a compound microscope.

2. Specimens/slides/models and identification with reasons - Bacteria, *Oscillatoria, Spirogyra, Rhizopus*, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.

3. Virtual specimens/slides/models and identifying features of - *Amoeba, Hydra,* liverfluke, *Ascaris*, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.

4. Mitosis in onion root tip cells and animal's cells (grasshopper) from permanent slides.

5. Different types of inflorescences (cymose and racemose).

6. Human skeleton and different types of joints with the help of virtual images/models only.

SUBJECT: ACCOUNTANCY (055)

PRESCRIBED BOOKS:

1**.** Reference book - Accountancy by D k Goel, Class XI

2. Reference book - Accountancy, Class XI - T.S. Grewal

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL + MAY	22+21	**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) **Theory Base of Accounting** • Fundamental accounting assumptions: GAAP: Concept • Basic accounting concept : Business Entity, Money Measurement, Going Concern, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure, Consistency, Conservatism, Materiality and Objectivity After going through this Unit, the students will be able to: • describe the meaning, significance, objectives, advantages and limitations of accounting in the modem economic environment with varied types of business and non-business economic entities. • 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. • explain that

		sales/purchases include both cash and credit sales/purchases relating to the accounting year. • **System of Accounting**. Basis of Accounting: Cash basis and Accrual basis • **Accounting Standards:** Applicability of Accounting Standards (AS) and Indian Accounting Standards (IndAS): Explain the meaning, applicability, objectives, advantages and limitations of accounting standards. • **Goods and Services Tax (GST):** Explain the meaning, advantages and characteristic of GST. **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.
JUNE + JULY	6+18	• **Journal** **Special Purpose books:** • Cash Book: Simple, cash book with bank column and petty cashbook• Purchases book • Sales book • Purchases return book • Sales return book • Journal proper Note: Including trade discount, freight and cartage expenses for simple GST calculation. • **Ledger**: Format, Posting from journal and subsidiary books, Balancing of accounts **(UNIT TEST – I)**
AUG + SEP	23+12	**Bank Reconciliation Statement**: • Need and preparation, Bank Reconciliation Statement Depreciation, Provisions and Reserves • **Depreciation**: Meaning, Features, Need, Causes, factors • Other similar terms: Depletion and Amortization • Methods of Depreciation: i. Straight Line Method (SLM) ii. Written Down Value Method (WDV) Note: Excluding change of method • 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 **(HALF YEARLY)**
OCT	20	• **Provisions, Reserves, Difference Between Provisions and Reserves**. • Types of Reserves: i. Revenue reserve ii. Capital reserve iii. General reserve iv. Specific reserve v. Secret Reserve • Difference between capital and revenue reserve **Trial balance and Rectification of Errors** • Trial balance: objectives, meaning and preparation. • capital and revenue
NOV	24	**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.

DEC	13	**Financial Statements**:- 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, interest on capital and managers commission. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments **(UNIT TEST – II)**
JAN	19	**Incomplete Records:-** Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method. (excluding conversion method)
FEB + MAR	-	**Revision and Annual Exams**

EXAMINATIONS -2025-26			
NAME OF THE EXAMINATION	**MONTH**	**MAX MARKS**	**CHAPTER/TOPICS**
UNIT TEST - I	**JULY**	30	**Accounting- concept, Basic Accounting Terms, Theory Base of Accounting, • System of Accounting, Accounting Equation Approach**
HALF YEARLY	**SEP**	80	**Introduction to accounting, basic accounting terms, theory base of accounting, system of accounting, source documents, accounting equations, journal, ledger, cash book, subsidiary book, GST, bank reconciliation statement, depreciation, Accounting Standard**
UNIT TEST - II	**NOV**	30	**Rectification of errors, Financial Statements(Without adjustment)**
ANNUAL EXAMINATION	**FEB - MAR**	80	**FULL SYLLABUS**

SUBJECT: BUSINESS STUDIES (054)

PRESCRIBED BOOKS:
1. Business Studies, Class XI, Published by NCERT
2. Business Studies by Poonam Gandhi, Class XI, Published by

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL + MAY + JUNE	22+21+6	**Part A: Foundation of Business** **Concept includes meaning and features** **Unit 1: Evolution and Fundamentals of Business** History of Trade and Commerce in India • Business – meaning and characteristics Business, profession and employment Concept • Objectives of business • Classification of business activities - Industry and Commerce • Business risk-Concept **Unit 2: Forms of Business organizations**

		- Sole Proprietorship-Concept, merits and limitations. - Partnership - Hindu Undivided Family Business - Cooperative Societies - Company – Joint stock company **Unit 3: Public, Private and Global Enterprises** - Public sector and private sector enterprises – Concept, Forms of public sector enterprises: - Departmental Undertakings, Statutory corporation and Government Company - Global Enterprises – Feature. Public private partnership – concept
JULY + AUG	18+23	**Unit 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 **Unit 5: Emerging Modes of Business** - E - business: concept, scope and benefits, Limitation, outsourcing. **(UNIT TEST – I)**
SEP	12	**Unit 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 environment protection - Business Ethics - Concept and Elements **(HALF YEARLY)**
OCT + NOV	20+24	**Part B: Finance and Trade** **Unit 7: Sources of Business Finance** - Concept of business finance, nature, Importance - Owners' funds- equity shares, preferences share, retained earnings - Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD). International Sources **Unit 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 MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act) and 202 • Role of small business in India with special reference to rural areas • Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas, Problems with SSI
DEC	13	**Unit 9: Internal Trade** • Internal trade - meaning and types services rendered by a wholesaler and a Retailer • Types of retail-trade-Itinerant and small scale fixed shops retailers • Large scale retailers-Departmental stores, chain stores – concept • GST (Goods and Services Tax): Concept and key-features **(UNIT TEST – II)**
JAN	19	**Unit 10: International Trade** • International trade: concept and benefits, WTO • Export trade – Meaning and procedure • Import Trade - Meaning and procedure
FEB + MAR	-	**Revision and Annual Exams**

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EXAMINATIONS -2025-26

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NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
UNIT TEST - I	**JULY**	**30**	**1 Nature and Purpose of Business** **2 Forms of Business Organisations** **3 Public, Private and Global Enterprises**
HALF YEARLY	**SEP**	**80**	**1. Nature and purpose of business** **2. Forms of business organization** **3. Public, private and global enterprises** **4. Business services** **5. Emerging mode of business** **6. Social responsibility of business and business ethics**
UNIT TEST - II	**DEC**	**30**	**Sources of Business Finance** **Small Business and Entrepreneurship**
ANNUAL EXAMINATION	**FEB - MAR**	**80**	**FULL SYLLABUS**

<div align="center">

SUBJECT: ECONOMICS (030)

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PRESCRIBED BOOKS:
1. INTRODUCTION OF STATISTICS (Sandeep Garg)
2. INTRODUCTION OF MICRO ECONOMICS (Sandeep Garg)

MONTH	NO. OF WORKING DAYS	TOPICS

APRIL + MAY	22+21	**Part A: Statistics for Economics** In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behaviour of various economic data. **Unit 1: Introduction** What is Economics? Meaning, scope, functions and importance of statistics in Economics **Part B: Introductory Microeconomics** **Unit 4: Introduction** Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost. **Unit 5: Consumer's Equilibrium and Demand** Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.
JUNE + JULY	6+18	**Unit 2: Collection, Organisation and Presentation of data** Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation. Organisation of Data: Meaning and types of variables; Frequency Distribution. **Unit 5: Consumer's Equilibrium and Demand (Conti.....)** Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method.
AUG + SEP	23+12	**Unit 2: Collection, Organisation and Presentation of data (Conti....)** **Presentation of Data**: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph). **Unit 6: Producer Behaviour and Supply** Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor Cost: Short run costs - total cost, total fixed cost, total variable cost; Average

			cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships.
OCT	20		**Unit 3: Statistical Tools and Interpretation** For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.
			Measures of Central Tendency- Arithmetic mean, median and mode **Unit 6: Producer Behaviour and Supply (Conti....)** Revenue - total, average and marginal revenue - meaning and their relationship. Producer's equilibrium-meaning and its conditions in terms of marginal revenuemarginal cost. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, continue........
NOV	24		price elasticity of supply; measurement of price elasticity of supply - percentage-change method. **Correlation** – meaning and properties, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation. **Unit 7: Forms of Market and Price Determination under Perfect Competition with simple applications.** Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply.
DEC	13		**Introduction to Index Numbers** - meaning, types - wholesale price index, consumer price index and index of industrial production, uses of index numbers; Inflation and index numbers.
JAN	19		**Unit 7: Forms of Market and Price Determination under Perfect Competition with simple applications. (Conti.....)** Simple Applications of Demand and Supply: Price ceiling, price floor.

EXAMINATIONS : 2025-26			
NAME OF THE EXAMINATION	**MONTH**	**MAX MARKS**	**CHAPTER/TOPICS**
UNIT TEST - I	**JULY**	**30**	**Part A Statistics for Economics** 1. Introduction 2. Collection, Organisation and Presentation of Data **Part B Introductory Microeconomics** 1. Introduction 2. Consumer's Equilibrium
HALF YEARLY	**SEP**	**80**	**Part A: Micro Economics** 1. **Introduction** 2. **Consumer equilibrium** 3. **Theory of demand** 4. **Theory of production** 5. **Theory of cost** **Part B: Statistics** 1. **Introduction** 2. **Collection of data**

			3. Organization of data 4. Presentation of data
UNIT TEST - II	**DEC**	**30**	**Part A Statistics for Economics** **1. Measure of Central Tendency (Mean, Median, Mode)** **Part B Introductory Microeconomics** **1. Revenue** **2. supply and price elasticity of supply** **3.producer's equilibrium**
ANNUAL EXAMINATION	**FEB - MAR**	**80**	**FULL SYLLABUS**

SUBJECT: HISTORY (027)

PRESCRIBED BOOKS:
1. THEMES IN WORLD HISTORY

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL + MAY	22+21	**Introduction To World History** **Writing and City Life Focus: Iraq, 3rd millennium BCE** a) Growth of towns b) Nature of early urban societies c) Historians' Debate on uses of writing **An Empire across Three Continents** Focus: Roman Empire, 27 BCE to 600 CE a) Political evolution b) Economic Expansion c) Religion-culture foundation d) Late Antiquity e) Historians' view on the Institution of Slavery
JUNE +JULY	6+18	**Nomadic Empires** Focus: The Mongol, 13th to 14th century a) The nature of nomadism b) Formation of empires c) Conquests and relations with other states d) Historians' views on nomadic societies and state formation
AUGUST + SEPTEMBER	23+12	The Three Orders. Focus: Western Europe 13th- 16th century a) Feudal society and economy b) Formation of state c) Church and society d) Historians' views on decline of feudalism **Map Work on The Related Themes**

MONTH			
OCTOBER	20	**Changing Cultural Traditions** Focus: Europe 14th-17ᵗʰ century a) New ideas and new trends in literature and arts b) Relationship with earlier ideas c) The contribution of West Asia d) Historians' viewpoint on the validity of the notion 'European Renaissance	
NOV	24	**Displacing Indigenous People** **Focus**: North America and Australia, 18th to 20th century a) European colonists in North America and Australia b) Formation of White Settler societies c) Displacement and repression of local people d) Historians' viewpoint on the impact of European settlement on indigenous population.	
DEC	13	**Paths to Modernization** Focus: East Asia, late 19th to 20th century a) Militarization and economic growth in Japan	
JAN	19	**Paths to modernization continued....** b) China and the communist alternative c) Historians' Debate on the meaning of modernization **Map Work on The Related Themes**	
FEB + MAR	18	**REVISION + ANNUAL EXAMS**	

EXAMINATIONS -2025-26

NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
UNIT TEST - I	AUG	30	1. Writing and City Life 2. An Empire across three continents
HALF YEARLY	SEP	80	1.Writing and City Life 2.An Empire across three continents 3. Nomadic Empire 4. The Three Orders
UNIT TEST - II	DEC	30	1.Changing Cultural Traditions 2.Displacing Indigenous People
ANNUAL EXAMINATION	FEB - MAR	80	FULL SYLLABUS

SUBJECT: POLITICAL SCIENCE (028)

PRESCRIBED BOOKS:
1. Indian Constitution at work, Class XI, Published by NCERT
2. Political Theory, Class XI, Published by NCERT
3. Reference Material available with the document

MONTH	NO. OF WORKING DAYS	TOPICS

APRIL + MAY	22 + 21	**1. Constitution** Constitution: Why and How, The Making of the Constitution, Fundamental Rights and Duties, Directive Principles of State Policy, constitutional Amendments.
JUNE + JULY	6 + 18	**2. Election and Representation** Elections and Democracy, Election System in India, Electoral Reforms. **3. Legislature** Why do we need a Parliament? Unicameral / Bicameral Legislature. Functions and Power of the Parliament, Parliamentary committees. Parliamentary Officials: Speaker, Deputy Speaker, Parliamentary Secretary.
AUG	23	**10. Political Theory: An Introduction** What is Politics? Politics V/s Political Theory, Importance of Political Theory. **11. Liberty** Liberty V.s Freedom, Negative and Positive Liberty. **12. Equality** What is Equality? Significance of Equality. Various dimensions of Equality. How can we promote Equality?
SEP	12	**4. Executive** What is an Executive? Different Types of Executive. Parliamentary Executive in India, Prime Minister and Council of Ministers. Permanent Executive: Bureaucracy. **13. Justice** What is Justice? Different dimensions of Justice, Distributive Justice.
OCT	20	**5. Judiciary** Why do we need an Independent Judiciary? Structure of the Judiciary, Judicial Review, Judicial Activism, Judicial Overreach. **6. Federalism** What is Federalism? Evolution & Growth of the Indian Federalism: Quasi Federalism, Cooperative Federalism & Competitive Federalism.
NOV	24	**7. Local Governments** Why do we need Local Governments? Growth of Local Government in India, 73rd and 74th Amendments, Working and Challenges of Local Governments. **8. Constitution as a living document.** **14. Rights** What are Rights? Where do Rights come from? Legal Rights and the State. Kinds of Rights. Human Rights.
DEC	13	**15. Citizenship** What is citizenship? Citizen and Citizenship, Citizen and Nation, Global Citizenship **16. Nationalism** Nations and Nationalism, Variants of Nationalism, Nationalism, Pluralism and Multiculturalism.

JAN	19	**17. Secularism** What is Secularism? What is Secular State? The Western and the Indian perspectives to Secularism. Salient Features of Indian Secularism 9. The Philosophy of the Constitution.
FEB + MAR	-	**Revision and Annual Exams**

EXAMINATIONS -2025-26

NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
UNIT TEST - I	**JULY**	**30**	**1. Constitution** **2. Election and Representation** **3. Legislature**
HALF YEARLY	**SEP**	**80**	**Chapters 1,2,3,4,10,11,12,13**
UNIT TEST - II	**DEC**	**30**	**5. Judiciary** **6. Federalism** **7. Local Governments** **8. Constitution as a living document.** **14. Rights**
ANNUAL EXAMINATION	**FEB - MAR**	**80**	**FULL SYLLABUS**

SUBJECT: SOCIOLOGY (039)

PRESCRIBED BOOKS: 1. Introducing Sociology, Class XI, Published by NCERT 2. Understanding Society, Class XI, Published by NCERT	

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL + MAY + JUNE	22+21+6	**A. INTRODUCING SOCIOLOGY 44 Marks** **Unit 1 Sociology, Society and its Relationship with other Social Sciences** • Introducing Society: Individuals and collectivities. • Pluralities and Inequalities among societies. • Introducing Sociology: Emergence. Nature and Scope. • Relationship with other Social Science disciplines **Unit 2 Terms, Concepts and their use in Sociology** • Social Groups and Society • Social Stratification • Status and Role • Society & Social Control
JULY + AUG	18+23	**Unit 3 Understanding Social Institutions** • Family, Marriage and Kinship • Work & Economic Life • Political Institutions • Religion as a Social Institution • Education as a Social Institution **Unit 4 Culture and Socialization** • Defining Culture

		• Dimensions of Culture • Socialization **& Sociology** • Agencies of Socialisation
SEP	12	**REVISION**
OCT	20	**Chapter – 1** **Social Change and social order in rural and urban society** • Social Change • Social Order • Social Order in villages towns and cities **Chapter - 2** **Introducing Western Sociologists** • The Context of Sociology • Karl Marx on Class Conflict
NOV	24	**Chapter - 2 (continue....)** **Introducing Western Sociologists** • Emile Durkheim : Division of Labour in society • Max Weber: Interpretive Sociology, Ideal Type & Bureaucracy **Chapter - 3 Indian Sociologists** • G.S. Ghurye on Caste and Race
DEC + JAN	13+19	**Chapter - 3 Indian Sociologists** • D.P. Mukherjee on Tradition and Change • A.R. Desai on the State • M.N. Srinivas on the Village
FEB + MAR	-	**Revision and Annual Exams**

EXAMINATIONS -2025-26

NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
PERIODIC TEST - I	AUG	30	1. Sociology, Society and its Relationship with other Social Sciences 2. Terms, Concepts and their use in Sociology
HALF YEARLY	SEP	80	1. Sociology, society & its relationship with other social sciences 2. Terms, concepts and their use in sociology 3. Understandings social institutions 4. Culture and socialisation
PERIODIC TEST - II	DEC	30	Social Change and Social Order in rural and urban society
ANNUAL EXAMINATION	FEB - MAR	80	FULL SYLLABUS

SUBJECT: Hindi Aadhar (302)

निर्धारित पुस्तक
1. आरोह भाग – 1
2. वितान भाग – 1
3. अभिव्यक्ति और माध्यम

MONTH	DAYS	CONTENT

APRIL
+MAY
+JUNE
	22+21+6	**गद्य खंड: 1.** नमक का **दारोगा,** ;;**प्रेमचंद)**
		        2. मियाँ नसीरूद्दीन ;;**कृष्णा शोबती)**
		पद्य खंड : 1. हम तौ एक एक करि जाना, (कबीर)
		        2. मेरे तो गिरधर गोपाल– (मीरा),
		अभिव्यक्ति और माध्यम – पाठ संख्या–1, 2
		अपठित **गद्यांश**

JULY	18	पद्य – **3.** घर की याद (भवानी प्रसाद मिश्र) वितान– **1.** भारतीय गायिकाओं में बेजोड़ लता मंगेशकर (कुमार गंधर्व) अपठित कव्यांश
AUGUST	23	**गद्य खंड : 3.** अपू के साथ ढाई साल, **(सत्यजीत राय)** **4.** विदाई–संभाषण (☐☐☐☐☐☐☐☐ **गुस)** **पद्य खंड: 4.** चंपा काले–काले अच्छर नहीं चीन्हत्ती (त्रिलोचन) अभिव्यक्ति और माध्यम – पाठ संख्या – 9, 10 ☐☐☐☐☐☐☐ ☐☐☐☐ ☐☐☐☐☐☐ ☐☐☐☐ ☐☐☐☐
SEPTEMBER	12	पुनरावृत्ति **अर्द्धवार्षिक** परीक्षा

OCTOBER	20	**गद्य खंड : 1.** गलता लोहा, **(शेखर जोशी)**
		        2. रजनी **(मन्नू भंडारी)**
		पद्य खंड: 1. गजल **(दुष्यंत कुमार)**
		        2. हे–भूख ! मत मचल,
		हे मेरे जूही के फूल **(अक्क ☐☐☐☐☐☐)**
		अभिव्यक्ति और माध्यम – पाठ संख्या - 14
		☐☐☐☐☐☐☐ ☐☐☐☐
		☐☐☐☐☐☐ ☐☐☐☐ ☐☐☐☐

NOVEMBER	24	**गद्य खंड: 3.** जामुन का पेड़, (कृष्ण **चन्दर)** **4.** भारत माता **(जवाहर लाल नेहरू)** **पद्य खंड** आओ मिलकर बचाएँ **(निर्मला पूतुल)** अभिव्यक्ति और माध्यम – पाठ संख्या - 15 वितान – **पाठ -** राजस्थान की रजत बूँदें **(अनुपम मिश्र)**
DECEMBER	13	1. **पद्य खंड** - पाठ –सबसे खतरनाक (अवतार सिंह पाश) 2. अभिव्यक्ति और माध्यम – पाठ संख्या - 16 3. अपठित गद्यांश

		4. अपठित कव्यांश
JANUARY	19	वितान – आलो–आँधारि (**बेबी हालदार**)
FEB +MAR		पुनरावृत्ति.

MONTHS	SYLLABUS

Unit Test -I (JULY)	**गद्य खंड: 1.** नमक का **दारोगा**,
	    2.मियाँ नसीरूद्दीन
	पद्य खंड: 3. हम तौ एक एक करि जाना, (**कबीर**)
	    4.मेरे तो गिरधर गोपाल (**मीरा**)
	अभिव्यक्ति और माध्यम – पाठ संख्या–1, 2
	अपठित गद्यांश

Half - Yearly (SEPTEMBER)	**गद्य खंड: 1.** नमक का **दारोगा**, **2.** मियाँ नसीरूद्दीन
	    3. अपू के साथ ढाई साल, **4.** विदाई – संभाषण
	पद्य खंड: 1. हम तौ एक एक करि जाना, **2.** मेरे तो गिरधर गोपाल (मीरा)
	    3. घर की याद, **4.** चंपा काले–काले अच्छर नहीं चीन्हती
	वितान– भारतीय गायिकाओं में बेजोड़ लता मंगेशकर
	अभिव्यक्ति और माध्यम – पाठ संख्या – 1, 2, 9, 10
	□□□□□□□□ □□□□
	□□□□□□ □□□□ □□□□
	अपठित गद्यांश
	अपठित कव्यांश

Unit Test - II (DEC)	**गद्य खंड: 1.** जामुन का पेड़, **2.** रजनी **पद्य खंड: 3.** गजल, **4.** आओ मिलकर बचाएँ अभिव्यक्ति और माध्यम – पाठ संख्या 14, 15
Annual Exam	सम्पूर्ण पाठ्यक्रम

परियोजना कार्य:
1. श्रवण तथा वाचन
2. परियोजना कार्य हिन्दी भाषा और साहित्य से सम्बद्ध। (**व्यक्तिगत रूप से दिया जाएगा**)

SUBJECT: GEOGRAPHY (029)

PRESCRIBED BOOKS:
1. Fundamentals of Physical Geography, Class XI, Published by NCERT (BOOK – 1)
2. India, Physical Environment, Class XI, Published by NCERT (BOOK – 2)
3. Practical Work in Geography Part I, Class XI, Published by NCERT

MONTH	NO. OF WORKING DAYS	TOPICS

APRIL +MAY	22+21	**Part A: Fundamentals of Physical Geography** **Unit 1: Geography as a Discipline** • Geography as an integrating discipline, as a science of spatial attributes • Branches of Geography: Physical Geography and Human Geography **Unit 2: The Earth** • Origin and evolution of the earth • Interior of the earth Earthquakes and volcanoes: causes, types and effects • Distribution of oceans and continents : Wegener's continental drift theory and plate tectonics **Unit 3: Landforms** • Geomorphic processes: weathering; mass wasting; erosion and deposition; soil-formation • Landforms and their evolution- Brief erosional and depositional features
JUNE + JULY + AUGUST	6+18+23	**Unit 4: Climate** • Atmosphere- composition and structure; elements of weather and climate • Solar Radiation-Insolation-angle of incidence and distribution; heat budget of the earth heating and cooling of atmosphere (conduction, convection, terrestrial radiation and advection); temperature- factors controlling temperature; distribution of temperature-horizontal and vertical; inversion of temperature • Atmospheric circulation and weather systems - Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extra tropical cyclones • Water in the atmosphere-Precipitation evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution • World Climate and Global Concerns (FOR PROJECT) **Unit 5: Water (Oceans)** • Basics of Oceanography • Oceans - distribution of temperature and salinity • Movements of ocean water-waves, tides and currents; submarine reliefs **PRACTICAL** Unit 1: Fundamentals of Maps • Geo spatial data, Concept of Geographical data matrix; Point, line, area data • Maps - types; scales-types; construction of simple linear scale, measuring distance; finding direction and use of symbols • Map projection- Latitude, longitude and time, typology, construction and properties of projection: Conical with one standard parallel and Mercator's projection. (only two projections)

SEP	12	**Unit 6: Life on the Earth** • Biosphere - importance of plants and other organisms; biodiversity and conservation (FOR PROJECT) • Revision and Half Yearly Exams
OCT	20	**PRACTICAL** Unit 2: Topographic and Weather Maps • Study of topographic maps (1:50,000 or 1:25,000 Survey of India maps); contour cross section and identification of landforms-slopes, hills, valleys, waterfall, cliffs; distribution of settlements • Satellite imageries, stages in remote sensing data- acquisition, platform and sensors and data products, (photographic and digital)
NOV	24	**Part B: India-Physical Environment** **Unit 7: Introduction** • India : Location, space relations, India's place in the world **Unit 8: Physiography** • Structure and Relief; Physiographic Divisions • Drainage systems: Concept of river basins, watershed; the Himalayan and the Peninsular rivers
DEC + JAN	13+19	**Unit 10: Hazards and Disasters: Causes, Consequences And Management (FOR PROJECT)** • Floods, Cloudbursts • Droughts: types and impact • Earthquakes and Tsunami Cyclones: features and impact • Landslides **Unit 9: Climate, Natural Vegetation** • Weather and climate - spatial and temporal distribution of temperature, Indian monsoon: mechanism, onset and withdrawal • Natural vegetation-forest types and distribution; wild life; conservation; biosphere reserves
FEB + MAR	22	**REVISION** **(ANNUAL EXAMINATION)**

EXAMINATIONS -2023-24			
NAME OF THE EXAMINATION	**MONTH**	**MAX MARKS**	**CHAPTER/TOPICS**
UNIT TEST - I	**JULY**	**30**	**BOOK – 1** **CH – 1 - Geography as a Discipline** CH – 2 - Origin and evolution of the earth CH – 3 - Interior of the earth CH – 4 - Distribution of oceans and continents CH – 5 - Geomorphic processes
HALF YEARLY	**SEP**	**70**	1. **Geography as a discipline** 2. **Origin and evolution of earth** 3. **Interior of earth** 4. **Distribution of ocean and continents** 5. **Geomorphic process** 6. **Landforms and their evolution** 7. **Composition and structure of the atmosphere**

			8. Solar radiation, heat balance and temperature
			9. Atmospheric circulation and weather system
			10. Water in the atmosphere
			11. Water(oceans)
			12. Movement of ocean water
UNIT TEST - II	DEC	30	CH – 6 – BOOK – 1; BOOK – 2 – CH – 1, 2, 3
ANNUAL EXAMINATION	FEB - MAR	70	FULL SYLLABUS

SUBJECT: PHYSICAL EDUCATION (048)

PRESCRIBED BOOKS:		
CBSE Physical Education Class XII Text Book		

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL	22	**Unit – 1 : Changing Trends and Careers in Physical Education** 1. Concept, Aims & Objectives of Physical Education 2. Development of Physical Education in India – Post Independence 3. Changing Trends in Sports- playing surface, wearable gear and sports equipment, technological advancements 4. Career options in Physical Education 5. Khelo-India Program and Fit – India Program
MAY	21	**Unit – 2 : Olympism Value Education** 1. Olympism – Concept and Olympics Values (Excellence, Friendship & Respect) 2. Olympic Value Education – Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind 3. Ancient and Modern Olympics 4. Olympics - Symbols, Motto, Flag, Oath, and Anthem 5. Olympic Movement Structure - IOC, NOC, IFS, Other members
JUNE + JULY	6+18	**Unit – 3 : Yoga** 1. Meaning and importance of Yoga 2. Introduction to Astanga Yoga 3. Yogic Kriyas (Shat Karma) 4. Pranayama and its types. 5. Active Lifestyle and stress management through Yoga **Unit – 4 : Physical Education and Sports for Children with Special Needs** 1. Concept of Disability and Disorder 2. Types of Disability, its causes & nature (Intellectual disability, Physical disability). 3. Disability Etiquette 4. Aim and objectives of Adaptive Physical Education. 5. Role of various professionals for children with special needs (Counselor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist, and Special Educator)

AUG	23	**Unit – 5 : Physical Fitness, Wellness, and Lifestyle** 1. Meaning & importance of Wellness, Health, and Physical Fitness. 2. Components/Dimensions of Wellness, Health, and Physical Fitness 3. Traditional Sports & Regional Games for promoting wellness 4. Leadership through Physical Activity and Sports 5. Introduction to First Aid – PRICE
SEP	12	**Unit – 6 : Test, Measurement & Evaluation** 1. Define Test, Measurements and Evaluation. 2. Importance of Test, Measurements and Evaluation in Sports. 3. Calculation of BMI, Waist – Hip Ratio, Skin fold measurement (3-site) 4. Somato Types (Endomorphy, Mesomorphy & Ectomorphy) 5. Measurements of health-related fitness
OCT	20	**Unit – 7 : Fundamentals of Anatomy, Physiology in Sports** 1. Definition and importance of Anatomy and Physiology in Exercise and Sports. 2. Functions of Skeletal System, Classification of Bones, and Types of Joints. 3. Properties and Functions of Muscles. 4. Structure and Functions of Circulatory System and Heart. 5. Structure and Functions of Respiratory System. **Unit – 8 : Fundamentals Of Kinesiology And Biomechanics in Sports** 1. Definition and Importance of Kinesiology and Biomechanics in Sports. 2. Principles of Biomechanics 3. Kinetics and Kinematics in Sports 4. Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation 5. Axis and Planes – Concept and its application in body movements
NOV	24	**Unit – 9 : Psychology and Sports** 1. Definition & Importance of Psychology in Physical Education & Sports; 2. Developmental Characteristics at Different Stages of Development; 3. Adolescent Problems & their Management; 4. Team Cohesion and Sports; 5. Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness
DEC + JAN	13+19	**Unit – 10: Training & Doping in Sports** 1. Concept and Principles of Sports Training 2. Training Load: Over Load, Adaptation, and Recovery 3. Warming-up & Limbering Down – Types, Method & Importance 4. Concept of Skill, Technique, Tactics & Strategies 5. Concept of Doping and its disadvantages
FEB + MAR	-	**Revision and Annual Exams**

EXAMINATION – 2024 - 25			
NAME OF THE EXAMINATION	**MONTH**	**MAX MARKS**	**CHAPTER/TOPICS**
UNIT TEST - I	JULY	30	Unit – 1 : Changing Trends and Careers in Physical Education Unit – 2 : Olympism Value Education
HALF YEARLY	SEP	70	Unit 1 to unit 6
PERIODIC TEST- II	DEC	30	Unit 7 to unit 8

ANNUAL EXAMINATION	FEB + MARCH	70	FULL SYLLABUS

SUBJECT: Computer Science (083)

Prescribed Book:
Dhanpat Rai Co. written by Sumita Arora

Month	No of days	Content
April	22	**Chapter 1:** Computer System Overview **Chapter 2:** Data Representation
May	21	**Chapter 3:** Boolean Logic **Chapter 4:** Introduction to Problem Solving **Chapter 5:** Getting Started with Python **Chapter 6:** Python Fundamentals
June + July	6+18	**Chapter 7:** Data Handling **Chapter 8:** Introduction to Python modules **Chapter 9:** Flow of Control
Aug	23	**Chapter 10:** String Manipulation
Sep	12	**Chapter 14:** Cyber Safety
Oct	20	**Chapter 11:** List Manipulation
Nov	24	**Chapter 12:** Tuples **Chapter 13**: Dictionaries
Dec	13	**Chapter 15:** Societal Law and Ethics
Jan	19	**Fast Track revision of complete Python**
Feb + Mar	-	**Revision and Annual Exams**

S. No.	Unit Name	Marks (Total 30)
1	**Lab Test:** 1. Python program (60% logic + 20% documentation + 20% code quality)	12
2	**Report file + Viva** • Minimum 20 Python programs. • Viva Voce	10 7 3
3	Project (using concepts learnt)	8

Examination 2024-2025			
Name of the Examination	Month	Max Marks	Chapter/Topic
Unit Test	July	30	Ch:1,2,3,4,5 & 6
Half Yearly	September	70	Ch: 1 to 9
Unit Test	December	30	Ch:10,11,12 & previous Python chapters
Annual	February	70	Complete Syllabus

SUBJECT: COMMERCIAL ART (052)

PRESCRIBED BOOKS:
HISTORY OF INDIAN ART

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL + MAY	22 + 21	A. Pre-Historic Rock-Paintings Introduction 1) Period and Location 2) Study and appreciation of following Pre-historic paintings: i. Wizard's Dance, Bhimbethaka B. Introduction 1) Period and Location. 2) Extension: In about 1500 miles. i. Harappa &Mohenjo-daro (Now in Pakistan) ii. Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dholavira (in India)
JUNE + JULY + AUGUST	6+18+23	Study and appreciation of following: Sculptures and Terra cottas: i. Dancing girl (Mohenjo-daro) Bronze, 10.5 × 5 × 2.5 cm.Circa 2500 B.C. (Collection: National Museum, New Delhi). ii. Male Torso (Harappa) Red lime Stone, 9.2 × 5.8 × 3 cms. Circa 2500 B.C. (Collection: National Museum, New Delhi) iii. Mother Goddess (Mohenjo-daro) terracotta, 22 × 8 × 5 c Circa 2500 B.C. (Collection: National Museum, New Delhi). Study and appreciation of following Seal: i. Bull (Mohenjo-daro) Stone (Steatite), 2.5 × 2.5 × 1.4 cm. Circa 2500 B.C. (Collection: National Museum, New Delhi). Decoration on earthen wares: Painted earthen-ware (Jar) Mohenjo-daro (Collection: National Museum, New Delhi).
SEPTEMBER	12	Unit 2 Buddhist, Jain and Hindu Art (3rd century B.C. to 8th century A.D.) 1. General Introduction to Art during Mauryan, Shunga, Kushana (Gandhara and Mathura styles) and Gupta period: 2. Study and appreciation of following Sculptures: i. Lion Capital from Sarnath (Mauryan period) Polished sandstone, Circa 3rd Century B.C. (Collection: Sarnath Museum, U.P.) ii. Chauri Bearer from Didar Ganj (Yakshi) (Mauryan period) Polished sandstone Circa 3rd Century B.C.(Collection: Patna Museum, Bihar) iii. Seated Buddha from Katra Mound, Mathura-(Kushan Period Mathura Style) Red-spotted Sand Stone, Circa 3rd Century AD. (Collection: Govt. Museum, Mathura) iv. Jain Tirathankara (Gupta period) Stone Circa 5th Century A.D. (Collection: State Museum, Lucknow U.P.) 3. Introduction to Ajanta Location Period, No of caves, Chaitya and Vihara, paintings and sculptures, subject matter and technique etc
OCT	20	Unit 3 Temple Sculpture, Bronzes and artistic aspects of Indo-Islamic Architecture (A) Artistic aspects of Indian Temple sculpture (6th Century A.D. to 13th Century A.D.)

		1) Introduction to Temple Sculpture (6th Century A.D. to 13th Century A.D.) 2) Study and appreciation of following Temple-Sculptures: i. Descent of Ganga (Pallava period, Mahabalipuram, Tamil Nadu), granite rock Circa 7th Century A.D. ii. Trimuti (Elephanta, Maharashtra) Stone Circa 9th Century A.D.
NOV	24	iii. Lakshmi Narayana (Kandariya Mahadev Temple) (Chandela period, Khajuraho, Madhya Pradesh) Stone Circa 10th Century A.D. iv. Cymbal Player, Sun Temple (Ganga Dynasty, Konark, Orrisa) Stone Circa 13th Century A.D. v. Mother and Child (Vimal-Shah Temple, Solanki Dynasty, Dilwara, Mount Abu; Rajasthan) white marble, Circa 13th Century A.D.
DEC	13	(B) Bronzes : 1. Introduction to Indian Bronzes. 2. Method of casting (solid and hollow) 3. Study and appreciation of following South Indian Bronze: i. Nataraj (Chola period Thanjavur Distt.,Tamil Nadu) 12th Century A.D. (Collection : National Museum, New Delhi)
JAN	19	(C) Artistic aspects of the indo-Islamic architecture: 1. Introduction 2. Study and appreciation of following architecture: i. Qutub Minar, Delhi ii. Gol Gumbad of Bijapur
FEB + MAR	-	Revision and Annual Exams

EXAMINATIONS (2025-26)

NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
UNIT TEST - I	AUG	30	1. Elements Of Fine Arts 2. Origin And Development Of Difference Forms Of Fine Arts In India 3. Prehistoric Rock Paintings 4. Art Od Indus Velley
HALF YEARLY	SEP	30	Ch – 1, 2, 3, 4, 5
UNIT TEST - II	DEC	30	1. The Art During Maurryan, Shunga, Kushana And Gupta Period 2. The Art Of Ajanta Caves 3. Aspects Of Indian Temples Structure 4. Indian Bronze Sculptures
ANNUAL EXAMINATION	FEB - MAR	30	FULL SYLLABUS

SUBJECT: HINDUSTANI VOCAL MUSIC (034)

PRESCRIBED BOOKS: (1) Sangeet Sidhhant (2) Sangeet Manjari (3) Swar Nidhi

(4) Sangitika

MONTH	NO. OF WORKING DAYS	TOPICS
APRIL	22	**UNIT – 1** **Theory –** Nada, Shruti, One Raga Bhairavi, One Taal-Teen Taal **Practical –** Practice of raga, Taal, Songs **1.1** Brief of the following Swar, Saptak **1.2** Alankar 1 to 10
MAY + JUNE	21 + 6	**UNIT – 2** **Theory –** Definition and Kinds of Swar, Saptak, One Raga Bihag Brief Study of Musical Elements in Natyashastra **Practical –** Practice of Raga Bihag and Bhairavi, Taal with hand beats
JULY	18	**UNIT – 3** Definition of Margi Desi History and introduction of Dhrupad and kinds of Vanies Life Sketch of Taansen and his contribution in Hindustani Vocal Music Vilamvit Khayal in Raga Bihag, One Taal-Ek Taal Practical – Practice of Drut and Vilambit Khayal, Taal and Songs
AUG	23	**UNIT – 4** **Theory –** Revision of All Topics of April, May, June, and July Writing practice of drut and Vilambit Khayal Swarlipi and Tarana Diagram of Taanpura to indicate the parts of Taanpura and How to Tune the String of Taanpura in which notes.
SEP	12	**Practical –** Revision of All Raga Taals Songs etc.
OCT	20	**UNIT – 1** **Theory –** Definition of Thaat and its kinds, Table of Thaat with swar and Raga Definition of Raga and Rule of Raga in Music **Practical –** Alankar 1 to 10 based on Taal Practice of Songs and Semi Classical Songs
NOV	24	**UNIT – 2** **Definition of Jati and its Kinds** Definition of khayal and its kinds One Raga Bhim Palasi-Introduction, Swar lipi of khayal with Alap and Taan One New Taal -char Taal – Notation in Thah, Dugun, Tigun and Chougun **Definition of laya its kinds with Examples**
DEC	25	Definition of Tarana One New Raga Jaunpuri – Introduction, Swarlipi of Vilambit Khayal with Taans Life Sketch of Vishnu Narayan Bhatkhande and his contribution in Hindustani Music One Drut Khayal in Raga Jaunpuri with Alap and Taan Practical – Practice of Raga Bhim Palasi and Jaunpuri with Alap and Taan Practice of Char Taal with Hand Beats, Songs

JAN	19	**UNIT – 3**
		Theory – Definition of Taal its kinds and uses Life Sketch of Pt. Vishnu Digamber Paluskar and his contribution in Music One Drupad Swar lipi in Raga Bhairavi **Practical –** Practice of Raga, Taals, Songs and Tarana
FEB + MAR	-	**REVISION AND ANNUAL EXAMS**

EXAMINATIONS -2025-26

NAME OF THE EXAMINATION	MONTH	MAX MARKS	CHAPTER/TOPICS
UNIT TEST - I	AUG	30	Swar, Saptak, Tansen, Teen Taal, Bhairavi
HALF YEARLY	SEP	30	Nada, Shruti, Swar, Saptak, Tansen-life Sketch, pt Vishnu Narayan bhatkhande – life sketch, Dhrupad, Ek Taal, Teen Taal, Raga Bhairavi and Bihag
UNIT TEST - II	DEC	30	Thaat, Jati, Raga, Khayal, V. D. Palushkar, Chaar Taal, Bhimpalasi
ANNUAL EXAMINATION	FEB - MAR	30	FULL SYLLABUS