
SYLLABUS
CLASS XI

ENGLISH (301)			
MONTH	**READING AND WRITING**	**LITERATURE**	**LEARNING OUTCOMES**
April	• Note Making & Summarising		➢ Students will be able to develop the ability to condense and organize information effectively through note-making & summarising.
	• Poster Writing		➢ Students will be able to express ideas through poster writing.
	• Gap filling • Reordering of Sentences		➢ Students will be able to apply basic grammar.
	•	**HORNBILL:** •The Portrait of a Lady	➢ Students will be able to understand the theme of changing relationships, analyze characterization, and reflect on values like love, and respect for elders. ➢
		• A Photograph	➢ Students will be able to reflect on loss, memory, and the passage of time through poetic devices.
		SNAPSHOTS: • The Summer of the Beautiful White Horse	➢ Students will be able to understand the themes of honesty, cultural values, and moral dilemmas.
May	• Unseen Passage: Factual/ Descriptive/ Literary		➢ Students will be able to comprehend & interpret unseen passages with accuracy and clarity.
	• Classified Advertisements		➢ Students will be able to draft classified advertisements in correct format.
	• Reordering/ Transformation of sentences		➢ Students will be able to apply grammatical rules in sentence transformation.
		HORNBILL: •We're not Afraid to Die…if We Can all be Together	➢ Students will be able to develop resilience, understand survival instincts, and analyze courage & leadership in adversity.
		•The Laburnum Top	➢ Students will be able to appreciate nature imagery & analyze symbolism and poetic expression.

		SNAPSHOTS: •The Address	➢ Students will be able to reflect on war impacts, displacement, and emotional loss.
June	**SUMMER VACATIONS**		
July	• Unseen case-based factual Passage		➢ Students will be able to analyze and respond to case-based passages effectively.
	• Speech writing		➢ Students will be able to draft well-structured speeches.
	• Gap Filling		➢ Students will be able to improve grammatical accuracy.
		HORNBILL: • *Discovering Tut- The Saga Continues*	➢ Students will be able to explore historical investigation methods and evaluate the blend of science and history.
		• *The Voice of the Rain*	➢ Students will be able to understand personification and natural cycles through poetic interpretation.
		SNAPSHOTS: • *Mother's Day*	Students will be able to explore family dynamics, gender roles, and satire.
August	• Unseen Passage: Factual/ Descriptive/ Literary		➢ Students will be able to strengthen comprehension and analytical reading skills.
	• Debate Writing		➢ Students will be able to construct logical and coherent arguments in debates.
	• Reordering/ transformation of Sentences		➢ Students will be able to apply grammar concepts accurately.
		HORNBILL: • *The Adventure*	➢ Students will be able to analyze the interplay between history and imagination, understand the concept of alternative realities.
		• *Childhood*	➢ Students will be able to explore the concept of growing up and loss of innocence.
		SNAPSHOTS: • *Birth*	➢ Students will be able to understand human emotions in critical situations and ethical responsibility.
September **• Term-1 Examination**	•Revision of Reading Comprehensions and Note-making & Summarising	•Revision and Practice of Extract-based Questions &	---

	•Class Tests & Assignments	•Short & Long Answer Type Questions •Class Tests & Assignments	

ECONOMICS (030)		
MONTH	**CHAPTERS**	**LEARNING OUTCOMES**
APRIL	**STATISTICS FOR ECONOMICS** **UNIT 3 STATISTICAL TOOLS AND INTERPRETATION** Measures of Central Tendency -Arithmetic Mean Measures of Central Tendency -Median and Mode	Students will be able to apply statistical tools such as mean, median, and mode to summarize data, interpret results accurately, and use these measures to support economic analysis and informed decision-making.
MAY	**INTRODUCTORY MICRO ECONOMICS** **UNIT 4 INTRODUCTION** Economics and Economy Central Problems of an Economy	Students will identify the three central problems of an economy and understand the concept of scarcity and choice. Students will explain opportunity cost and analyse production possibilities using the PPC diagram.
JUNE	**SUMMER VACATIONS**	
JULY	**UNIT 5 CONSUMER'S EQUILIBRIUM AND DEMAND** Consumer's Equilibrium -Utility Analysis Consumer's Equilibrium -Indifference Curve Analysis Theory of Demand Price Elasticity of Demand **UNIT 6 PRODUCER BEHAVIOUR AND SUPPLY** Production function and returns to a factor Concept of Cost Concept of Revenue	Students will be able to analyse consumer behaviour through utility theory, derive demand curves, interpret the law of demand and elasticity, and apply these concepts to solve real-world economic problems with precision. Students will be able to analyse the production process through the lens of production functions, evaluate cost structures, and interpret supply laws to explain producer behaviour and market outcomes.
AUGUST	**STATISTICS FOR ECONOMICS** **UNIT 1 INTRODUCTION** Concept of Economics and Significance of Statistics in Economics **UNIT 2 COLLECTION, ORGANISATION AND PRESENTATION OF DATA** Collection of Data Census and Sample Methods of Collection of Data Organisation of Data	Students will be able to collect, organize, and present economic data using statistical tools, and interpret the results to support economic reasoning and policy analysis. Students will be able to collect, organize, and present economic data using census and sample methods, tabular and diagrammatic techniques, and frequency/time series graphs, thereby developing the ability to interpret and analyse statistical information for economic reasoning.

	Presentation of Data-Textual and Tabular Presentation Diagrammatic presentation of Data-Bar Diagrams and Pie Diagrams Frequency Diagrams-Histogram, Polygon and Ogive Arithmetic line -Graphs or Time Series Graphs	
SEPTEMBER	**TERM-I EXAMINATION**	

ACCOUNTANCY (055)

MONTH	CHAPTER	LEARNING OUTCOMES
APRIL	• Introduction to Accounting	• The students will be able to describe the meaning, significance, objectives, advantages and limitations of accounting in the modern economic environment with varied type of business and non-business economic entities. • Identify the Entities that use accounting information for serving their needs of decision making.
	• Basic Accounting terms	• Explain the various terms used in accounting and differentiate between different related terms like current and non-current, capital and revenue.
	• Accounting procedure- Rules of Debit and Credit	• Explain the meaning of an account. Meaning of Debit and credit, Rules of debit and credit, Classification of accounts, Balancing an account and significance of debit and credit balance in accounts.
	• Journal	• Explain the meaning, characteristics, advantages and limitations of journal and steps in journalising.
MAY	• Ledger	• Explain the meaning, features and utilities of Ledger. Format of Ledger account and mechanics of posting. Balancing of Ledger accounts.
	UNIT-I EXAMINATION	
JUNE	**SUMMER BREAK**	
JULY	• Trial Balance	• State the need and objectives of preparing trial balance and develop the skill of preparing trial balance.

	• Accounting of Goods and Services Tax	• Develop the understanding of recording of transactions in journal and the skill of calculating GST.
	• Special Purpose Books I – Cash Book	• 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 Cashbook.
	• Special Purpose Books – Other Books	• Describe the method of recording transactions other than cash transactions as per their nature in different subsidiary books.
	• Depreciation	• Explain the necessity of providing depreciation and develop the skill of using different methods for computing depreciation. Understand the accounting treatment of providing depreciation directly to the concerned asset account or by creating provision for depreciation account.
	• Provisions and Reserves	• Appreciate the need for creating reserves and provisions for events which may belong to the current year but may happen in the next year and also explains the difference between. Provision and reserves and reserves and reserve fund.
AUGUST	• Financial statements of Sole Proprietorship	• State the meaning and purpose of preparing financial statements. Meaning of gross profit, operating profit and net profit and develop the skill of preparing trading and profit and loss account and need for preparing balance sheet.
	• Adjustments in Preparation of Financial Statements	• Develop the understanding and skill to do the adjustments for items other than those shown in the trial balance which may need adjustments while preparing financial statements
	• Bases of Accounting	• Student will be able to understand the meaning of cash and accrual basis of accounting and difference between accrual basis and cash basis of accounting.
	• Theory Base of Accounting	• Describe the meaning of accounting assumptions and the situation in which an assumption is applied during the accounting process. Explain the meaning, applicability, objectives, advantages and limitations of accounting standards.
SEPTEMBER	• Origin of transactions – Source documents and Vouchers	• This chapter will enable the understanding of source documents, meaning, types and preparation of vouchers.
	Revision of syllabus **TERM-I EXAMINATION**	

BUSINESS STUDIES (054)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
April	Chapter 1. Nature and Purpose of Business (except history of trade and commerce in India)	**After going through this unit, the student would be able to:** • Understand the meaning of business with special reference to economic and non-economic activities • Discuss the characteristics of business • Differentiate business, profession, and employment • Classify business activities (industry & commerce) • Describe types of industries and trade • Analyse the role of commerce and auxiliaries to trade • Understand business risks and their causes
	Chapter 2. Forms of Business Organisations (sole proprietorship and Hindu undivided family business)	**After going through this unit, the student would be able to:** • List the different forms of business organisations and understand their meaning • Identify and explain the concept, merits and limitations of sole proprietorship • Understand the concept of Hindu undivided family business
May	Chapter 2. Forms of Business Organisations (partnership and co-operative Society)	**After going through this unit, the student would be able to:** • Identify and explain the concept, merits and limitations of a partnership firm. • Understand the types of partnership on the basis of duration and liability. • State the need for registration of a partnership firm. • Discuss type of partners – active, sleeping, secret, nominal and partner by estoppel. • Identify an explain the concept, merits and limitations of cooperative societies. • Understand the concept of consumers, producers, marketing, farmers, credit and housing cooperatives.
June	**SUMMER VACATIONS**	
July	Chapter –2 [joint stock company]	**After going through this unit, the student would be able to:** • Identify and explain the concepts, merits and demerits of joint stock company.

		• Understand the meaning of one person company • Distinguish between a private company and a public company • Distinguish between the various forms of business organisations • Explain the factors that influence the choice of a suitable form of business organisations
	Chapter 3. Public, Private and global Enterprises	• Develop an understanding of public sector private sector enterprises • Identify and explain the features, merits and limitations of different forms of public sector enterprises. • Develop an understanding of global enterprises, joint venture, public private partnership by studying their meaning and features
	Chapter 4. Business services.	• Understand the meaning and types of business services • Explain banking services and types of bank accounts • Understand digital payments and banking services • 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 • Describe postal and telecom services
	Chapter 5. Emerging modes of E business.	**After going through this unit, the student would be able to:** • Define e-business and its scope • Distinguish e-business from traditional business • Analyse the benefits of e-business
August	Chapter 6. Social responsibility of business and business ethic.	**After going through this unit, the student would be able to:** • Understand social responsibility of business • Examine the case for social responsibility • Identify responsibilities towards stakeholders • Analyse role in environmental protection

		• Explain concept and elements of business ethics
	Chapter 9. MSME and Business Entrepreneurship	**After going through this unit, the student would be able to:** • Understand entrepreneurship and its development process, Intellectual Property Rights • Explain MSME concept • Analyse role of small business in India • Understand government schemes and support agencies for development of small-scale industries. NSIC and DIC with special reference to rural, backward area
September	**REVISION OF ALL CHAPTERS** **TERM- I EXAMINATION**	

PHYSICS(042)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
April	**Unit 1 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.	Students will be able to : use international system of units (SI Units), symbols, nomenclature of physical quantities and formulations, conventions - Apply the principle of homogeneity - Convert units from one system to another. - Identify limitations - Round off correctly: - Use in calculations: Apply rules for addition, subtraction, multiplication, and division while retaining correct significant figures. Errors in Measurement - Classify errors - Combine errors - Express results properly - Improve accuracy & precision

May	**Unit 2** **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).	Enable students to differentiate between certain physical quantities; such as, between distance and displacement; speed and velocity; rectilinear and curvilinear motions; average, relative, and instantaneous velocity and speed
June	**SUMMER VACATIONS**	
July	**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, 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 3 laws of motion** **Chapter–4: 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.	Vectors - Distinguish scalars vs vectors; add & resolve vectors using head-to-tail and component methods - Apply vector addition to relative velocity problems Projectile Motion - Explain projectile motion - Calculate time of flight, max height, range, and velocity at any point for horizontal & angled launches Uniform Circular Motion - Define UCM: - Identify centripetal acceleration & force; calculate acceleration, speed, frequency. Students will be able to know about: Inertia, it's types, applications,Mass measures inertia. Newton’s 3 Laws, their applicability in daily life

		Force analysis, Draw free-body diagrams and resolve forces into components, Types of forces,Solve problems for inclined planes, pulleys, connected bodies,Distinguish inertial vs non-inertial frames, and pseudo forces.
	Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.	Students will be able to know about friction, types of friction, factors affecting the friction, advantages and disadvantages of the friction, methods to change the friction and solve problems related to friction
	Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).	Need for banking, safe speed, Optimum speed, Applications like Design of highways, racetracks, railway tracks
August	**Unit 4** Work, power, energy **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	Students will be able to define and explain work, identify different forms of energy, apply work energy theorem, calculate work done by constant and variable force, analyse situations involving energy transformations and conservation, solve numerical problems related to work, power,energy and collisions.
	Unit 5: 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. 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).	Student will be able to define and calculate centre of mass, know about the centre of mass in different bodies. They will be able to explain and calculate angular displacement, angular velocity , angular acceleration, angular momentum, torque, moment of inertia, rotational kinetic energy etc. they will be able to solve problems related to rotational dynamics
	Unit 6	

	Chater –7: 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, energy of an orbiting satellite	Students will be able to know about Newton's law of gravitation, gravitational potential, gravitational potential energy, variation of acceleration due to gravity with height and depth, escape velocity, orbital velocity.
September	**Term I Examination**	

CHEMISTRY (043)		
MONTH	**CHAPTER**	**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, stoichiometry and calculations based on stoichiometry.	The student Will be able to • Understand importance of chemistry • Know physical & chemical properties • Learn laws of chemical combination • Use SI units correctly • Apply significant figures • Understand mole concept • Do molar mass calculations • Find percentage composition • Write empirical & molecular formula • Solve basic stoichiometry problems
May	**Unit 2: Structure of Atom** Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars.Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, debroglie'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.	• Understand atomic models (Thomson, Rutherford, Bohr) • Know dual nature of matter (wave + particle) • Understand de Broglie equation • Learn Heisenberg uncertainty principle • Know quantum numbers • Understand atomic orbitals (s, p, d, f) • Write electronic configuration of atoms

		• Apply Aufbau principle, Pauli exclusion & Hund's rule • Understand shapes of orbitals
June	**SUMMER VACATIONS**	
July	**Unit 3: Classification of Elements and Periodicity in Properties Significance of classification**, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valiancy, Nomenclature of elements with atomic number greater than 100	• Understand need for classification of elements • Know modern periodic table and its features • Learn periodic trends (atomic size, ionization energy, electron affinity, electronegativity) • Understand periodicity in properties of elements • Know valency and oxidation states • Understand blocks of periodic table (s, p, d, f) • Compare properties across periods and groups
	Unit4: Chemical Bonding and Molecular Structure Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), Hydrogen bond.	• Understand types of chemical bonds (ionic, covalent, coordinate) • Know octet rule and its limitations • Understand formation of ionic and covalent bonds • Learn Lewis dot structures • Understand VSEPR theory and shape of molecules • Know hybridization (sp, sp^2, sp^3) • Understand polarity of bonds and molecules
August	**Unit 7: Redox Reactions** Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.	• Understand oxidation and reduction concepts • Identify oxidizing and reducing agents • Learn oxidation number rules • Calculate oxidation states in compounds • Balance redox reactions (oxidation number & ion-electron method)

		• Understand types of redox reactions • Apply redox concepts in daily life
	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, electrometric effect, resonance and hyper conjugation.	• Understand classification of organic compounds • Learn tetravalency and catenation of carbon • Know types of covalent bonds in carbon compounds • Understand functional groups • Learn homologous series • Understand nomenclature (IUPAC naming)
	Homolytic and heterolytic fission of a covalent bond: free radicals, carbocation, carbanions, electrophiles and nucleophiles, types of organic reactions.	• Know types of organic reactions • Understand isomerism (basic idea) • Learn electronic effects (inductive, resonance) • Understand basic reaction mechanisms
September	**Term I Examination**	

BIOLOGY (044)		
MONTH	**CHAPTERS**	**LEARNING OUTCOMES**
April	**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. **Chapter 9: Biomolecules**	Students will be able to: 1. Learn the structure of the basic unit of and its components. 2. Understand the difference between prokaryotic and eukaryotic cell. 3. Understand the structure and functions of different organelles.

	Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and 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.	1. Understand the macromolecules like cellulose proteins DNA are polymers their structure and chemical properties 2. Understand the structure of lipids enzymes their properties mode of action factors affecting them 1. Understand how cell division occur. 2. Understand how my tissues help in repair and healing and Meiosis help in formation of gametes and reproduction.
May	**UNIT I - DIVERSITY IN THE LIVING WORLD** **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. ,	1.Understand the meaning of biological diversity (biodiversity). 2.Appreciate the variety of living organisms present on Earth. 1. Learn the Need for Classification 2. Explain why classification of organisms is necessary. 3. Understand how classification helps in organizing and studying large numbers of organisms. 4. Understand Taxonomy and Systematics

		5. Define and differentiate taxonomy, systematics, and classification. 6. Understand the role of taxonomists in identifying and naming organisms. 7. Learn Taxonomical Hierarchy Describe the hierarchical classification system:
June	**SUMMER VACATIONS**	
July	**Chapter-3: Plant Kingdom** Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta, Gymnospermae and Angiosperms.	1.Understand how plants are grouped into major divisions. 2. Recognize and differentiate the main groups of plants: 3. Understand the different characteristic features of different plants and their reproductive structures. 4. Understand the economic importance of gymnosperms bryophytes and Algae.
	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)	1.Understand Basis of Animal Classification 2. Understand Levels of Organization. 3. students will able to different shade the organisms according to the germ layers present in them and other characteristic features. 4. Able to different shade between chordates and non chordates.
	UNIT-II STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS **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	1. Understand Morphology of Plants 2. Understand external structure (morphology) of flowering plants parts of a plant such as root, stem, leaf, flower, fruit, and seed. 3. Modifications of roots for storage, support, and respiration. 4. Stem and Its Modifications such as support, conduction, and storage

		5. Study Leaf Structure and Types. 6. Differentiate between simple and compound leaves. 7. Explain leaf modifications such as tendrils, spines, and storage leaves. 8. Understand Inflorescence. 9. Differentiate between racemose and cymose inflorescence. 10. Study Flower Structure 11. Understand types of flowers based on symmetry, position of ovary, and sexuality. 12. student understand how ovary and ovules present in flowers and fruits are made.
	Chapter-6: Anatomy of Flowering Plants Anatomy and functions of tissue systems in dicots and monocots.	1. Understand the internal structure of monocot root dicot root monocot stem dicot stem. 2. Learn where tissues are present in leaf and their structure
	Chapter-7: Structural Organisation in Animals Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog.	1. Understand the anatomical structure of frog 2. Study details structure of digestive circulatory nervous reproductive system of frog
August	**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	1. Understand the process of photosynthesis and its importance for life on Earth. 2. How green plants synthesize food using sunlight, carbon dioxide, and water. 3. Site of Photosynthesis

	and C4 pathways; factors affecting photosynthesis. **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. **Chapter-13: Plant - Growth and Development** Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; plant growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.	4. Understand the role of RuBisCO enzyme in carbon fixation in Calvin cycle 5. Understands factors Affecting Photosynthesis 1. Understand how exchange of gases occur in plants. 2. Understand how ATP and other energy currency is formed. 3. Learn the formation of ATP formation in ETS 1.Learn different conditions required for growth of plants. 2.Learn how different growth regulators (hormones) help plants for growth.
September	**TERM – 1 EXAMINATION**	

LIST OF BIOLOGY PRACTICALS

1	Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted 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.
5	Comparative study of the rates of transpiration in the upper and lower surfaces of leaves.

6	Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.
7	Separation of plant pigments through paper chromatography.
8	Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.
9	Test for presence of urea in urine.
10	Test for presence of albumin in urine.
11	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, liver fluke, 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 and. 6	Types of inflorescence (cymose and racemose). Human skeleton and different types of joints with the help of virtual images/models

ENTREPRENEURSHIP (066)		
MONTH	**CHAPTER / UNIT**	**LEARNING OUTCOMES**
April	Unit 1: Entrepreneurship – Concept and Functions	Understand the concept of entrepreneurship. Explain functions of an entrepreneur. Appreciate need of entrepreneurship in economy. Assess entrepreneurship as a career option. Identify myths, advantages & limitations. Discuss process of entrepreneurship Describe Indian entrepreneurial scenario
May	Unit 2: An entrepreneur (Till types of Entrepreneurs)	Understand motivation to become an entrepreneur Differentiate between various types of entrepreneurs
June		**SUMMER VACATIONS**
July	Unit 2: An entrepreneur (Cont.) Unit 3: Entrepreneurship Journey	Explain competencies & characteristics Appreciate ethical entrepreneurship Understand concept of intrapreneurship Understand the ways of idea generation

		Understand feasibility study concepts Draft a basic business plan Analyse success & failure of business plans Understand execution of business plans
	Unit 4: Entrepreneurship as Innovation & Problem Solving	Understand role of entrepreneurs as problem solvers Appreciate global & Indian innovations Understand role of technology (E-commerce & social media) for new businesses Explain concept of social entrepreneurship
August	Unit 5: Understanding the Market	Understand market concept & types Analyse micro & macro environment Learn process of market research Understand elements of marketing mix
	Unit 6: Business Finance & Arithmetic + Unit 7: Resource Mobilization	Unit 6: Understand unit cost, price & sale Identify types of costs (fixed, variable, startup) Calculate break-even point
September	**Revision of the syllabus** **TERM-I EXAMINATION**	

MATHEMATICS CORE (041)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
APRIL	**SETS**	Introduction to sets using examples from real life. Definition of different types of sets. Union and intersection of sets. Application of $n(A \cup B) = n(A) + n(B) - n(A \cap B)$. Representation of sets through Venn diagram and properties of the set.
	COMPLEX NUMBER	Complex number and algebra of complex number, Conjugate of the complex number, additive inverse, multiplicative inverse of complex number. Properties of the conjugate of complex number. Argand plane and modulus of complex number.
MAY	**LINEAR INEQUALITIES**	Identify Inequalities in one variable and Represent them graphically. Applications of linear inequality problems in real life situations
	UNIT 1 EXAMINATION	
JULY	**TRIGONOMETRIC FUNCTIONS**	Introduction, Angles, Trigonometric Functions, Trigonometric Functions of Sum and Difference of Two Angles

	RELATIONS AND FUNCTIONS	Introduction, Cartesian Product of Sets, Relations, Functions Domain and range, Definition of different function
	THREE DIMENSIONAL GEOMETERY	Points on axes, plane and octant. Distance formula in 3 d, centroid of triangle and mid point formula
AUGUST	**PERMUTATIONS AND COMBINATIONS**	Introduction, Fundamental Principle of Counting, Permutations, Combinations and their daily use in life.
	BINOMIAL THEOREM	Introduction, Binomial Theorem for Positive Integral Indices
SEPTEMBER	**FIRST TERM EXAMINATION**	

APPLIED MATHEMATICS (241)		
MONTH	**CHAPTERS**	**LEARNING OUTCOMES**
April	• Numbers	Students will be able to • Express decimal numbers in binary system • Express binary numbers in decimal system
	• Sets and Relation	• Define set as well- defined collection of objects • Identify different types of sets on the basis of number of elements in the set • Apply the concept of Venn diagram to understand the relationship between sets • Solve problems using Venn diagram • Express relation as a subset of Cartesian product • Find domain and range of a relation
	• Probability	• Appreciate the use of probability in daily life situations • Define the concept of conditional probability • Apply reasoning skills to solve problems based on conditional probability
May	• Mathematical Reasoning	• Solve logical problems involving odd man out, syllogism, blood relation and coding decoding
	UNIT TEST – 1 EXAMINATION	

June	**SUMMER VACATIONS**	
July	• Indices and Logarithms	• Relate indices and logarithm /antilogarithm • Enlist the laws and properties of logarithms • Apply laws of logarithm
	• Quantitative Aptitude	• Calculate the angle formed between two hands of clock at given time • Decode the day for the given date • Calculate the time taken/ distance covered/ Work done from the given data • Create suitable seating plan/ draft as per given conditions (Linear/circular)
	• Sequence and Series	• Identify Arithmetic Progression (AP) • Establish the formulae of finding nth term and sum of n terms • Identify Geometric Progression (GP) • Derive the nth term and sum of n terms of a given GP • Solve problems based on applications of GP • Solve problems based on relation between AM and GM
	• Permutations and Combinations	• Define permutation and apply the concept of permutation to solve simple problems • Define combination and apply the formula of combination to solve the related problems.
August	• Descriptive Statistics	• Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set • Define Percentile rank • Calculate and interpret Percentile rank of scores in a given ungrouped data set • Define correlation in values of two data sets • Calculate Spearman's rank correlation for ungrouped data
	• Taxation	• Explain fundamentals of taxation • Define and explain GST • Calculate GST • Explain rules under State Goods and Services Tax (SGST) Central Goods and Services Tax (CGST)
	• Utility Bills	• To interpret and analyze electricity bills, water bills and other supply bills • Evaluate how to calculate units consumed under electricity bills/water bill.
September	**TERM – 1 EXAMINATION**	

PSYCHOLOGY(037)

MONTH	TOPIC / UNIT	LEARNING OUTCOMES
April	Ch-1 What is Psychology?	The students will be able to:- • Understand the nature, scope, and goals of psychology as a scientific discipline. • Differentiate between major perspectives and approach's in psychology. • Recognize how to apply the psychology in every day life and professional fields.
May	Ch-2 Methods of Enquiry In Psychology	All the students will know about how to:- • Identify and evaluate various methods used in psychology(experimental, observational, survey, etc.). • Enhance the importance of objectivity, validity, and reliability in psychological research. • Develop skills to design simple research studies and interpret data. • Recognize the ethical considerations in the conduction of any psychological research. **Unit -1**
June	Case Study Project (Holiday Homework)	Students will be demonstrate the ability to Simple case study and write report
July	Ch-3 Human Development Ch-4 Sensory, Attentional & Perceptual Processes	After introduction young minds will be able to:- • Describe the stages of human development in the lifespan and also able to address the key facts of developmental processes (cognitive, emotional, social). • Apply principles of perception based on Gestalt Psychology in real-life situations such as design, safety, and communication. • Analyse how attention and perception influence behaviour and performance in professional settings. • Evaluate causes of perceptual errors and suggest ways to improve accuracy and attention. • Develop practical strategies to enhance focus, observation, and sensory efficiency.
August	Ch-5 Learning Ch-6 Human Memory	• Apply learning theories. • Analyse the factors of affecting learning and behaviour,(reinforcement and motivation). • Evaluate different learning methods and behaviour modification techniques. • Apply the concepts of encoding, storage, and retrieval to improve memory performance in academic and professional settings. • Illustrate the factors of affecting the memory (e.g., forgetting, interference) and suggest strategies for effective retention. • Evaluate the different memory models (sensory, short-term, long-term) in understanding human behaviour.

	Practical-1	• Design practical techniques (mnemonics, rehearsal, organization) to enhance learning and memory efficiency.
September	Term -1 Examination	Students will be able to demonstrate the conceptual clarity in examination.

SOCIOLOGY (039)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
April	Sociology, Society and its relationship with other Social Science disciplines (Book 1)	It will foster students' curiosity about society and enable them to: Understand the meaning and scope of Sociology • Explore the relationship between Sociology and other social sciences • Analyse society as a network of social relationships • Develop a sociological perspective towards everyday life • Differentiate between common sense and scientific knowledge
	Terms, Concepts and their use in Sociology	• It will enhance students' ability to analyse and interpret social concepts and help them to: Understand key sociological concepts such as norms, values, status, and roles • Apply concepts to real-life situations • Use correct sociological terms in writing • Build clarity in understanding social phenomena • Strengthen conceptual and critical thinking skills
May	**UNIT I EXAMINATION**	
June	**SUMMER VACATIONS**	

July	CH. Understanding Social Institutions (Book 1) Unit Test I	• It will ignite students' understanding of social structure and help them: • Learn about institutions like family, marriage, education, and religion • Understand their role in maintaining social order • Analyse functions and changes in institutions • Compare traditional and modern institutional systems • Appreciate the importance of institutions in daily life

	Culture and Socialization (Book 1)	• It will nurture respect and awareness of cultural diversity and enable students to: • Understand culture and its components • (values, norms, beliefs) • Recognize the role of culture in shaping behaviour • Learn the process of socialization Identify agents like family, school, and media • Understand personality development through socialization
August	Social Change and Social order in Rural and Urban Society (Book 2)	• It will build insight into societal transformation and help students to: • Understand social change and social order • Identify factors influencing change (technology, globalization) • Compare rural and urban societies • • Analyse challenges in both settings Understand continuity and change in society
	Introducing Western Sociologists (Book 2)	• It will cultivate a questioning mindset and enable students to: • Learn about thinkers like Karl Marx, Max Weber, and Émile Durkheim Understand their key ideas and contributions • Explore concepts like class conflict, bureaucracy, and solidarity Compare different sociological perspectives • Apply theories to real-life social situations
September	**Term 1 Examination**	

POLITICAL SCIENCE (028)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
April	1- Constitution: Why and How?	Students will be able to: • Develop a deep appreciation for the importance and necessity of a Constitution as the foundational framework that ensures order, justice, and stability in a democratic society. • Gain a comprehensive understanding of the historical background, key events, and sociopolitical circumstances that influenced the drafting of the Indian Constitution. • Critically examine and evaluate how the Constitution systematically distributes and balances power among different organs of the government and levels of society. • Analyze and interpret how various constitutional provisions are implemented in real political life, and assess their impact on governance and democratic functioning.
	2.Rights in the Indian Constitution	• It will Develop a comprehensive understanding of the significance of rights in a democratic society and how they uphold individual liberty, equality, and human dignity. • Identify, explain, and critically examine the Fundamental Rights guaranteed by the Indian Constitution, along with their scope and importance. • Evaluate the significance of the Right to Constitutional Remedies as a vital mechanism for the protection and enforcement of Fundamental Rights. • Distinguish clearly between Fundamental Rights and Directive Principles of State Policy by analyzing their nature, objectives, and enforceability
	3.Election and representation	• After completion of the chapter, students will be able to: • Identify and describe different types of elections and the various electoral methods used in democratic systems across the world. • Develop critical thinking skills to evaluate the roles and responsibilities of different stakeholders— such as voters, political parties, media, and institutions—in ensuring free, fair, and transparent elections. • Demonstrate a clear understanding of the vital role played by the Election Commission in conducting impartial elections, maintaining electoral integrity, and upholding democratic values. • Compare and analyze the election systems of different countries, highlighting similarities, differences, and the effectiveness of various electoral practices in strengthening democracy.

May	4. Executive	• Develop a clear understanding of the meaning and concept of the Executive as an important organ of government. • Compare and contrast the Parliamentary and Presidential systems of executive, highlighting their structure, powers, and functioning. • Analyze the composition and working of the executive, including the roles and responsibilities of key authorities and their coordination in governance. • Understand and evaluate the significance of the administrative machinery in the effective implementation of laws and policies and in ensuring efficient governance. • Strengthen analytical and critical thinking skills by examining how different executive systems operate in real political contexts. • Appreciate the importance of accountability, transparency, and efficiency in the functioning of the executive and administrative institutions.

	5. Legislature	• Demonstrate a clear understanding of the structure and functioning of the Indian Parliament. • Explain the step-by-step law-making process in India and how a bill becomes an act. • Differentiate between the roles, powers, and functions of the Lok Sabha and the Rajya Sabha. • Analyze the mechanisms through which Parliament exercises control over the Executive.
		• Evaluate the role and importance of Parliamentary Committees in ensuring detailed scrutiny and effective law-making. • Develop critical thinking skills by assessing how parliamentary procedures contribute to accountability and transparency in a democracy.
		UNIT-I EXAMINATION
June	**SUMMER VACATIONS**	
July	6. Judiciary	• Develop a clear and critical understanding of the Indian Judiciary, its independence, and its role in maintaining the constitutional balance and protecting fundamental rights: • Identify and explain the various features and safeguards that ensure the independence of the Judiciary in India. • Compare and contrast the different types of jurisdictions, highlighting their scope, functions, and significance. • Analyze the factors that have contributed to the Judiciary becoming more proactive in protecting rights and ensuring justice. • Examine the reasons behind conflicts between the Judiciary and Parliament, particularly in relation to constitutional amendments. • Evaluate the role of the Judiciary in upholding constitutional values and maintaining the balance of power in a democracy.

	7. Federalism	• It will ignite a deeper understanding of the federal structure and the distribution of powers in India, enabling students to analyze how governance functions across different levels. • It will foster critical insight into the functioning of the federal system and how power is shared between the Union and State governments. • It will enhance analytical thinking by helping students explore the principles and working of federalism in the Indian context. • It will promote a strong conceptual understanding of how the federal structure balances authority, responsibilities, and governance across multiple levels. • It will encourage students to examine and interpret the distribution of powers and the significance of a strong Centre in India. • It will develop an informed perspective on how federalism operates as a key feature of the Indian Constitution.
	8. Local Governments	• Facilitate a comprehensive understanding of the Panchayati Raj system in India, including its emergence, structure, and significance in strengthening grassroots democracy. • Identify and explain the objectives, functions, and sources of income of rural and urban local government bodies. • Justify the importance of the 73rd and 74th Constitutional Amendments in promoting local self-governance and democratic decentralization. • Analyze and evaluate the role of decentralization in facilitating effective governance, participation, and accountability. • Develop an appreciation for and recognize the importance of empowering local government bodies for inclusive and sustainable development.
	9. Constitution as a Living Document	• It will deepen students' understanding of how the Constitution functions as a dynamic and evolving framework of governance. • It will enable students to critically explore the working nature of the Constitution in real political scenarios. • It will foster analytical insight into the evolving nature of the Constitution and its role in a changing society.

		• It will strengthen conceptual clarity about the Constitution as a flexible and adaptive "living document." • It will encourage students to examine how constitutional amendments shape and redefine the democratic framework. • It will help students appreciate the Constitution as a progressive document that responds to social, political, and legal changes over time.
	10. The Philosophy of the Constitution	• This unit aims to help students to: Develop an appreciation for the philosophical vision and foundational ideals of the Indian Constitution, including justice, liberty, equality, and fraternity. • Identify and explain the core features of the Indian Constitution, highlighting its unique characteristics and guiding principles. • Critically evaluate the strengths and limitations of the Constitution in addressing the needs and challenges of a diverse society.

		• Analyze how the Constitution reflects the values and aspirations of the people of India and supports democratic governance.
August	11. Political Theory: An Introduction	• Upon completion of this chapter, learners will be able to: students will be able to: • Develop a clear understanding of the concept of politics and identify its key principles and dimensions. • Explain the fundamental ideas and concepts underlying various political theories. • Appreciate the contributions of prominent political thinkers in shaping political thought and understanding. • Analyze and interpret political ideas in a broader theoretical and practical context.
	12.Freedom	• Develop a comprehensive understanding of the concept of freedom and its foundational importance in a democratic framework. • Explain and differentiate between various dimensions of freedom, including political, civil, and personal liberty. • Analyze the role of freedom in safeguarding individual rights, dignity, and democratic values. • Examine the interplay between freedom and responsibility in maintaining social harmony and order. • Critically evaluate the need for reasonable restrictions on freedom in the interest of public order, security, and societal welfare. • Appreciate the significance of freedom in promoting justice, equality, and participatory governance.
	13.Equality	• This chapter enables students to develop a deep understanding of the concept and importance of equality in a democratic society. • It will help students explore the moral and political foundations of equality and its relevance in contemporary society. • It will foster a critical understanding of equality as a key principle of justice and social progress. • This unit aims to develop students' insight into the nature, forms, and significance of equality. • It will encourage students to critically engage with the idea of equality from multiple ideological perspectives. • It will strengthen students' ability to analyze and evaluate the role of equality in promoting fairness and inclusiveness.

	14.Social Justice	• Strengthen understanding and analytical skills related to the subject matter. • Evaluate and appreciate the measures undertaken by the Government of India to promote and secure social justice. • Identify and list the basic minimum requirements necessary for individuals to lead a healthy, dignified, and productive life. • Explain and interpret John Rawls' theory of the "veil of ignorance" and its significance in ensuring fairness and equality. • Analyze the role of justice in promoting equity, inclusiveness, and social well-being in a democratic society.
September	**Term -1 Examination**	

FINANCIAL MARKETS MANAGEMENT (805)

MONTH	TOPIC/CHAPTER	LEARNING OUTCOMES
April	1) Communication Skills – IV 2) Markets and Financial Instruments	• Demonstrate effective communication skills. • Understand types of financial markets. • Identify various financial instruments and their features.
May	3) Self Management Skills – IV 4) Primary and Secondary Market	• Apply self-management and professional behavior skills. • Differentiate between primary and secondary markets. • Explain functions and importance of stock exchanges.
July	5) ICT Skills – IV 6) Mutual Funds: Products and Features	• Use ICT tools for financial learning and presentations. • Understand concept and structure of mutual funds. • Analyze types and features of mutual fund schemes.
August	7) Entrepreneurial Skills – IV 8) ETFs, Debt and Liquid Funds	• Develop entrepreneurial mind-set and problem-solving ability. • Explain ETFs and debt instruments. • Compare liquid funds with other investment options.
September	**TERM–I EXAMINATION**	

PUNJABI (104)		
MONTH	**TOPIC**	**LEARNING OUTCOMES**
ਅਪ੍ਰੈਲ	ਸੁਹਾਗ	ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲੋਕ ਗੀਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੰਦੇ ਹੋਏ ਆਪਣੇ ਵਿਰਸੇ ਨਾਲ ਜੋੜਨਾ
	ਵਿਆਕਰਨ ਮੁਹਾਵਰੇ (1-20) ਦਫਤਰੀ ਸ਼ਬਦਾਵਲੀ (A to C)	
	ਸੰਪਾਦਕੀ ਪੱਤਰ	
ਮਈ	ਪੂਰਨ ਭਗਤ	ਪੂਰਨ ਭਗਤ ਦੀ ਕਹਾਣੀ ਦੁਆਰਾ ਬੱਚਿਆਂ ਅੰਦਰ ਸਹਿਣਸ਼ੀਲਤਾ ਦਾ ਗੁਣ ਪੈਦਾ ਕਰਨਾ ਤੇ ਉਹਨਾਂ ਨੂੰ ਅਧਿਆਤਮਿਕਤਾ ਨਾਲ ਜੋੜਨਾ
	ਵਿਆਕਰਨ: ਬੈਂਕ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ ਵੱਖ-ਵੱਖ ਵਿਸ਼ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ to C)	
	ਇਸ਼ਤਿਹਾਰ	
ਜੁਲਾਈ	ਘੋੜੀਆਂ, ਬੋਲੀਆਂ	ਵਿਆਹ ਸਮੇਂ ਗਾਏ ਜਾਣ ਵਾਲੇ ਗੀਤਾਂ ਰਾਹੀਂ ਬੱਚਿਆਂ ਨੂੰ ਰੀਤੀ ਰਿਵਾਜਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।
	ਰਾਜਾ ਰਸਾਲੂ	ਇਸ ਦੰਤ ਕਥਾ ਰਾਹੀਂ ਬੱਚਿਆਂ ਨੂੰ ਸੱਚ ਦੇ ਰਾਹ ਤੇ ਚੱਲਣ ਦੀ ਸਿੱਖਿਆ ਦੇਣਾ। ਨਿਆਂ ਕਰਨ ਤੇ ਅਨਿਆਂ ਨਾ ਸਹਿਣ ਬਾਰੇ ਦੱਸਣਾ।
	ਵਿਆਕਰਨ: ਦਫਤਰੀ ਤੇ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ (D to K) ਰੇਲਵੇ ਤੇ ਡਾਕ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ ਮੁਹਾਵਰੇ ਅਣਡਿੱਠਾ ਪੈਰਾ	
	ਸੱਦਾ ਪੱਤਰ	
ਅਗਸਤ	ਸਿੱਠਣੀਆਂ, ਢੋਲਾ, ਟੱਪੇ	ਸਿੱਠਣੀਆਂ ਢੋਲਾ ਟੱਪੇ ਲੋਕ ਗੀਤਾ ਰਾਹੀਂ ਬੱਚਿਆਂ ਨੂੰ ਰਸਮਾਂ ਰਿਵਾਜਾਂ ਨਾਲ ਜੋੜਨਾ
	ਦੁੱਲਾ ਭੱਠੀ, ਹੀਰ ਰਾਂਝਾ	ਦੁੱਲਾ ਭੱਠੀ ਹੀਰ ਰਾਂਝਾ ਕਹਾਣੀ ਰਾਹੀਂ ਬੱਚਿਆਂ ਨੂੰ ਲੋਹੜੀ ਦੇ ਤਿਉਹਾਰ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ ਤੇ ਕਿੱਸਾ ਕਾਵਿ ਬਾਰੇ ਦੱਸਣਾ

	ਵਿਆਕਰਨ: ਬੀਮਾ ਸੇਵਾਵਾਂ ਅਤੇ ਕੰਪਿਊਟਰ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ	
	ਲੇਖ ਰਚਨਾ	
ਸਤੰਬਰ	**ਦੁਹਰਾਈ ਅਤੇ ਪਹਿਲੀ ਅਵਧੀ ਦੇ ਪੇਪਰ**	

हिंदी		
मास	**पाठ**	**अधिगम परिणाम**
अप्रैल	हम तौ एक एक करि जानां	कबीर के पद द्वारा परमात्मा के सृष्टि के कण -कण में व्यापकता का बोध होगा साथ ही परमात्मा के प्रकाश रूप तथा समस्त चराचर में परमात्मा के स्वरूप के विद्यमान होने का अनुभव होगा एवं बाह्य आडंबर से भी छात्र अवगत होंगे।
	मेरे तो गिरधर गोपाल, दूसरो न कोई	मीरा की लोक मर्यादा से परे अनन्य कृष्ण भक्ति का बोध,परमानंद एवं भावानुभूति का बोध होगा।
	नमक का दरोगा	आदर्शोंन्मुख यथार्थवाद का बोध धर्म से संचित धन के ऊपर धर्म की जीत एवं आत्म संतुष्टि का बोध होगा।
	जनसंचार माध्यम और लेखन:-	संदेश निर्माण कौशल की परिपक्वता
	अपठित बोध : अपठित गद्यांश	पठन कौशल में सक्षमता
मई	घर की याद	स्व गृह से विस्थापन एवं घर की अवधारणा की सार्थक और मार्मिक याद का आत्मसात होगा।
	चंपा काले-काले अच्छर नहीं चीन्हती	लोक अनुभवों की मार्मिकता का बोध साथ ही शोषण व्यवस्था के प्रति संशय का बोध।
	मियाँ नसीरुद्दीन	मियां नसीरुद्दीन के अनोखे व्यक्तित्व तथा उनके जीवन के विभिन्न पहलुओं एवं हुनर से परिचित होंगे।
	भारतीय गायिकाओं में बेजोड़ लता मंगेशकर	स्वर साम्राज्ञी लता मंगेशकर की गायकी एवं शास्त्रीय संगीत को एक मंच पर रखने के साहसिक प्रयास से अवगत होंगे।

	लेखन – पत्रकारिता के विविध आयाम अपठित काव्यांश	समाचार लेखन कौशल में प्रवीणता काव्य रचना कौशल की समझ में सक्षमता
जुलाई	ग़ज़ल	तथाकथित राजनीति और समाज में जो कुछ घटित हो रहा है उसे खारिज करने और नए विकल्प के तलाश का आभास होगा।
	हे भूख मत मचल हे मेरे जूही के फूल जैसे ईश्वर	इंद्रियों पर नियंत्रण एवं निस्पृहभाव से ईश्वरत्व में आध्यात्मिकता के साथ स्वयं को समर्पण करने के भाव से अवगत होंगे
	अपू के साथ साल ढाई साल	किसी फिल्म की शूटिंग के दौरान आने वाली समस्या व उसके समाधान से परिचित होंगे।
	विदाई – संभाषण	गोरों की सरकारों के वायसराय लॉर्ड कर्जन की अति महत्वाकांक्षा भरी इच्छा शक्ति का ना कामयाब होना परिणाम स्वरूप उनकी क्षुब्धता व अपने देश इंग्लैंड की वापसी से अवगत होंगे।
	लेखन – डायरी लिखने की कला	स्व अभिव्यक्ति लेखन की क्षमता का विकास
अगस्त	सबसे खतरनाक	समसामयिक समाज में नृशंस और क्रूर होती जा रही दुनिया की नकारात्मकता के खौफनाक स्वरूप एवं प्रतिकूलताओं से जूझने के कमजोर पड़ते संकल्प का उद्बोधन होगा।
	आओ मिलकर बचाएं	पर्यावरण संरक्षण एवं संभ्रांत प्राचीन संस्कारों की सुरक्षा का बोध होगा।
	गलता लोहा	सामाजिक विषमता, आर्थिक विपन्नता तथा जातिगत विभाजन से परिचित होंगे।
	रजनी	शिक्षा के व्यवसायीकरण जैसी समस्या की ओर ध्यान एवं समसामयिक शिक्षा पद्धति से परिचय होगा।

	राजस्थान की रजत बूंदें	राजस्थान की मरुभूमि में जल समस्या का विस्तार से स्वरूप समझेंगे।
	लेखन – कथा-पटकथा, कार्यालय लेखन और प्रक्रिया	कहानी संरचना कौशल का विकास कार्यालय स्तर के औपचारिकता पूर्ण लेखन कौशल का विकास
सितंबर	**Term I Examination**	

PAINTING (049)		
MONTH	**THEORY SYLLABUS**	**LEARNING OUTCOMES**
April	Ch-1 Pre Historic Rock Painting	• Understand Early Human Life • Learn how prehistoric humans lived, hunted, and interacted with nature • Gain insight into survival strategies and daily activities. • Understand the use of natural pigments and tools • Explore methods like finger painting, brush use, and engraving
May	Ch-2 Art of Indus valley Civilization	• Identify major features of Indus art such as seals, pottery, and sculptures • Recognize painting styles used on pottery (geometric, natural motifs) • Understand the use of natural colors and materials in ancient painting • Explain the importance of symbols in Indus seals and painted designs • Analyze animal motifs and their possible meanings in artwork
June	**SUMMER VACATIONS**	
July	Ch-3 General introduction of Art during Mauryan ,Shunga Kushana and Gupta period (Buddhist, Jain and Hindu Art)	• Identify key features of Shunga, Kushana, and early Hindu art • Recognize early painting traditions in stupas, temples, and surfaces • Differentiate between Gandhara and Mathura styles in visual representation • Understand use of colors and materials in ancient painting,First human images of Buddha • Influence of Greek (Hellenistic) style in Gandhara • Use of red sandstone in Mathura art

	Ch-4 Art of Ajanta	• Identify Ajanta as a major center of ancient Indian painting • Recognize key themes like Jataka stories and Buddhist teachings • Understand painting techniques such as fresco-secco • Analyze human expressions and emotions in paintings • Observe use of natural colors and shading methods
August	Ch-5 Indian temple Sculptures	• Explain the origin and development of temple sculpture in ancient and medieval India. • Differentiate between major temple styles: • Nagara Style • Dravidian Style • Vesara Style Describe key features like posture (tribhanga), ornamentation, detailing, and expressions. • Analyze themes such as gods, goddesses, mythological scenes, and daily life.
September	**Term-I Examination**	

INFORMATION PRACTICES (065)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
April	L-1 Computer System	Understand components of a computer system (hardware & software); identify input, output and storage devices; explain basic working of a computer
	L-8 Database Concepts	Understand database and DBMS; identify tables, records, and fields; explain advantages of databases
May	L-9 Structured Query Language (SQL) (before SQL Operators)	Understand basics of SQL; perform simple queries; use commands like SELECT, INSERT, UPDATE, DELETE
UNIT I EXAMINATION		
June	**Summer Break**	

July	L-9 Structured Query Language (SQL) (from SQL Operators)	Use SQL operators (AND, OR, NOT); apply WHERE clause; sort and filter data
	L-2 Getting Started with Python	Understand Python basics; use variables and data types; write simple programs
August	L-3 Python Programming Fundamentals	Understand operators and expressions; perform input/output; develop basic programs
	L-4 Conditional and Looping Constructs	Apply decision-making using if-else; use loops (for, while); solve logical problems
September	**Term I Examination**	

PHYSICAL EDUCATION (048)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
APRIL	UNIT – 1 Changing Trends and careers in Physical Education	• **After completing the unit,the students will be able to** • Recognize the concept,aim, and objectives of Physical Education. Identify the post-independence development in Physical Education.Categorize Changing Trends in Sports-playing surface,wearable gear, sports equipment, technological Explore different career options in the field of Physical Education. Make out the development of Khelo India and Fit India Program.
	UNIT – 2 Olympism	• After completing the unit,the students will be able to • Incorporate values of Olympism in your life. • Differentiate between Modern and Ancient Olympic Games Paralympics, and Special Olympic Games Identity the Olympic Symbol and Ideal • Describe the structure of the Olympic movement structure
MAY	UNIT – 3 YOGA	• After completing the unit,the students will be able to : • Recognize the concept of yoga and be aware of the importance of it. identify the elements of yoga,Identify the Asanas,Pranayama's,meditation, and yogic kriyas Classify various yogic activities for the enhancement of • concentration, Know about relaxation techniques for • improving concentration

JUNE	**SUMMER VACATIONS**	
JULY	UNIT– 4 Physical Education and sports for children with special need	After completing the unit,the students will be able to : • Identify the concept of Disability and Disorder. • Outline types of disability and describe their causes and nature. Adhere to and respect children with special needs by following etiquettes. Identify possibilities and scope in adaptive physical education. Relate various types of • professional support for children with special needs along with their roles and responsibilities.
	UNIT – 5 Physical Fitness, Health and Wellness	• After completing the unit,the students will be able to : • Explain wellness and its importance and define the components of wellness. Classify physical fitness and recognize its importance in life. Distinguish between skill related and health- related components of physical fitness. Illustrate traditional sports and regional games to promote wellness.Relate leadership through physical activity and sports. Illustrate the difference steps used in first aid –PRICE.
	UNIT – 6 Test Measurement and Evaluation	After completing the unit, the students will be able to : • Define the terms test,measurement, and evaluation Differentiate norm and criterion referenced standard, • Differentiate formative and summative evaluation, • Discuss the importance of measurement and evaluation processes, Understand BMI: A popular clinical standard and its computation Differentiate between Endomorphy, Mesomorphy & Ectomorphy h describe the procedure of Anthropometric
AUGUST	UNIT – 7 Fundamentals of Anatomy and Physiology in sports	After completing the unit, the students will be able to : • Identify the importance of anatomy and physiology. • Recognize the functions of the skeleton.Understand the functions of bones and identify various types of joints. • Figure out the properties and functions of muscles and understand how they work. Understand the anatomy of the respiratory system and describe it's working.Identify and analyze the layout and functions of Circulatory System.
	UNIT – 8 Fundamentals of Kinesiology and Biomechanics in sports	After completing the unit,the students will be able to : • Understand Kinesiology and Biomechanics with their application in sports. Explain biomechanical principles and their utilization in sports and physical education. • Illustrate fundamental body movements and their basic patterns. Learn about the Axis and Planes and their application with body movements
September	**Term-I Examination**	

MUSIC VOCAL (034)		
MONTH	**TOPIC**	**LEARNING OUTCOMES :-**
April	परिभाषाएँ : नाद, श्रुति, स्वर, सप्तक, अलंकार, संगीत संक्षिप्त वर्णन: ध्रुपद, ख्याल, तराना! जीवन परिचय : तानसेन, भातखण्डे जी	नाद, श्रुति, स्वर, सप्तक अलंकार की परिभाषाएं दे सकेंगे। ध्रुपद, ख्याल ,तराना का तुलनात्मक वर्णन कर सकेंगे । तानसेन जी, विष्णु नारायण भातखंडे जी के जीवन एवं योगदान को समझ कर लिख सकेंगे तालों को ठाह एवं दुगुन में सही ढंग से प्रस्तुत कर सकेंगे
May	राग परिचय : बिहाग ताल परिचय : तीनताल, एकताल (ठाह व दुगुन सहित) नाट्य शास्त्र का संक्षिप्त विवरण	विद्यार्थी राग विह।ग के बारे में जानेंगे लिखित रूप में और गायन रूप में दोनों में इसका अभ्यास करेगे और गायन में भी तालों की लयकारी परिचय सहित हाथ पर करने का अभ्यास करेंगे । नाटय शास्त्र ग्रंथ का संक्षिप्त इतिहास जानेंगे।
June	**SUMMER VACATIONS**	
July	नाद , श्रुति ,स्वर ,सप्तक ,अलंकार ,संगीत, थॉट ,जाती, लय संक्षिप्त विवरण :-मार्गी , देसी संगीत ध्रुपद, ख्याल, तराना। मतंग बृहदेशी।तानपुरे का संक्षिप्त विवरण। जीवन परिचय:- पंडित विष्णु दिगंबर पुरस्कार जी!	देसी और मार्गी संगीत क्या है? उसका प्रयोग कहां-कहां किया जाताहै ?/कैसे किया जाता है, ध्रुपद, ख्याल ,तराना यह गायन शैलियों कैसे गाई जाती है यह सब विद्यार्थी सीखेंगे और संगीत सम्राट तानसेन और भातखंडे जी के जीवन परिचय के बारे में जानेंगे और मतंग जी के बृहदेशहि ग्रंथ का भी आकलन करेंगे। वाद्य तानपुरे के बारे में संक्षिप्त रूप में जानेंगे।
August	राग परिचय विहाग, भीमपलासी ,स्वरलिपि सहित गायन और लिखित में। ताल परिचय:- तीन ताल ,एक ताल। परिचय व लयकारी सहित। राग विस्तार राग पहचानना।	राग परिचय के द्वारा विद्यार्थी रागों की विस्तृत जानकारी प्राप्त कर सकेंगे और स्वरलिपि का क्या महत्व है ?स्वरलिपि क्यों बनाई जाती है? इसका भी वे अध्ययन करेंगे। स्वर समूह के द्वारा राग पहचाना यह जानकारी भी वे प्राप्त करेंगे।
September	ऊपर दिए गए पाठ्यक्रम का अभ्यास व परीक्षा।	अभ्यास द्वारा परीक्षा की तैयारी।

COMPUTER SCIENCE (083)			
MONTH	**CHAPTER / TOPIC NAME**		**LEARNING OBJECTIVES**
April	Ch-1	Computer System and Organisation	- Understand basic components of a computer system - Learn input/output devices and memory types - Understand CPU and its functions
	Ch-2	Data Representation and Boolean Logic	- Learn number systems (binary, decimal, etc.) - Perform conversions - Understand Boolean logic and truth tables
May	Ch-3	Getting Started with Python	- Understand basics of Python - Learn syntax and simple programs - Work with variables and data types
	Ch-4	Python Programming Fundamentals	- Use operators and expressions - Work with input/output functions - Understand basic program structure
	Unit Test Examination		
June	—	Summer Break	- Revise Python basics and practice coding
July	Ch-5	Conditional and Looping Constructs	- Use decision-making statements (if, else) - Apply loops (for, while) - Solve basic logical problems
August	Ch-6	Strings in Python	- Understand string operations - Use string functions and slicing - Perform text manipulation
	Ch-7	Lists in Python	- Create and modify lists - Use list methods - Perform basic data handling

	Ch-11	Cyber Safety	Learn safe internet practices - Understand cyber threats - Awareness of digital responsibility
September	**Term-1 Examination**		

TAXATION (822)		
MONTH	**CHAPTER**	**LEARNING OUTCOMES**
April	**Part A: Employability Skills** **Unit 1: Communication Skills–III**	• Students will be able to identify communication methods, differentiate between verbal and non-verbal communication, and overcome barriers.
	Part B: Taxation **Unit 1: Introduction to Income Tax & important definitions** **• Basic concepts** **• Assesses, PY, AY** **• Gross Total Income** **• Capital & Revenue Receipts**	• Students will be able to define key concepts, differentiate PY & AY, classify receipts, and understand gross total income.
May	**Part A: Employability Skills** **Unit 2: Self-Management Skills–III**	• Students will be able to develop self-motivation, manage stress, and set achievable goals.
	Part B: Taxation **Unit 2: Residential Status, incidence of Tax Liability & Exempted Incomes**	• Students will be able to determine residential status and solve related problems.
	UNIT 1 EXAMINATION	
June	**SUMMER BREAK**	
July	**Part A: Employability Skills** **Unit 3: ICT Skills–III**	• Students will be able to create documents, use spreadsheets, and prepare presentations.
	Part B: Taxation **Unit 2: (Cont.) Incidence of Tax Liability & Exempted Incomes**	• Students will be able to explain tax incidence and identify exempt incomes.

August	**Part A: Employability Skills** **Unit 4: Entrepreneurial Skills–III** **Part B: Taxation** **Unit 3: Heads of Income** **• Income from Salary** **• Income from House Property**	• Students will be able to understand entrepreneurial skill • Explain entrepreneurship and identify traits of entrepreneurs. • Students will be able to compute income from salary and solve numerical problems. • Students will compute income from house property and revise concepts.
September	**TERM -I EXAMINATION**	

MARKETING AND EMPLOYABILITY SKILLS (812)		
MONTH	**TOPICS**	**LEARNING OUTCOMES: -**
APRIL	EMPLOYABILITY SKILL UNIT 1 Communication skills EMPLOYABILITY SKILLS UNIT 2 Self-Management Skills	• To enable the students to understand the concept of Employability, self-management
MAY	SPECIFIC SUBJECT UNIT 1 INTRODUCTION TO MARKETING UNIT 2 MARKETING ENVIRONMENT	• Marketing, business environment, factors affecting business environment

JUNE	**SUMMER VACATIONS**	
JULY	EMPLOYABILITY. SKILL UNIT 3 Information and communication technology skills MARKETING :- UNIT 3 Marketing segmentation, targeting and positioning	• To enable the students to understand the communication barrier, technological environment and reforms
AUGUST	EMPLOYABILITY SKILLS UNIT 4 Entrepreneurship skills	• To enable the students to understand the concept of entrepreneurship and its importance in our business
SEPTEMBER	**TERM 1 EXAMINATION**	

DANCE /KATHAK (056)		
Month	**Topic**	**Learning Outcomes**
April	Brief history of Indian dance; Origin from Vedic period; Development through temple tradition; Evolution in different eras; Introduction to classical dance forms of India. Writing notation of Teentaal; Laya – Vilambit, Madhya, Drut; Dugun, Chaugun; Basic understanding of rhythm writing	Students will be able to: ▪ Explain the development of dance through temple traditions in India. ▪ Trace the evolution of Indian dance in different historical eras. ▪ Write the basic notation of Teentaal correctly. ▪ Identify the structure of Teentaal (16 matras, 4 vibhags, taali and khaali). ▪ Differentiate between Laya – Vilambit, Madhya, and Drut. ▪ Demonstrate understanding of Dugun and Chaugun in rhythm practice.
May	Study of themes from Ramayana, Mahabharata, Bhagavata Purana and Gita Govinda; Gat Bhav stories like Kaliya Daman, Govardhan Leela, Panghat, Draupadi Cheer Haran, Makhan Chori, Marich Vadh, Bhasmasur Vadh, Madan Dahan	Students will be able to: ▪ Explain the cultural, moral, and spiritual significance of selected mythological stories. ▪ Recognize important characters and events related to prescribed themes. ▪ Describe the concept and importance of Gat Bhav in Indian classical dance. ▪ Demonstrate basic abhinaya skills while depicting mythological characters and situations.

		▪ Compare themes of good over evil, devotion, duty, and righteousness in different stories.
July	Reference from ancient texts (Vedic, Puranic, epics); Evolution In Mandir Kal (Kathavachak tradition), Darbar Kal, and Modern period including British and post-independence era	▪ Apprentices will explain the role of dance in early Indian religious and cultural traditions. ▪ Describe the development of dance during the Mandir Kal (Temple period). ▪ Explain the contribution of the Kathavachak tradition in preserving and promoting dance forms. ▪ Develop appreciation for the historical journey and continuity of Indian dance heritage.
August	Rang Pravesh/Invocation; Technical compositions (Bandish); Literary contents – Abhinaya, Bhajan, Thumri, Dadra, Ghazal, Dhrupad, Kavitt; Rhythmic compositions – Tarana, Tirvat, Chaturang Use of Ghungroo, Chakkars, Upaj, costume, stage presentation; Importance of rhythm and expression.	▪ Pupil will recognize different forms of literary contents used in dance presentations. ▪ Differentiate between Abhinaya, Bhajan, Thumri, Dadra, Ghazal, Dhrupad, and Kavitt. ▪ Explain the musical and rhythmic features of various dance compositions. ▪ Develop the ability to select suitable compositions for technical and expressive performance. ▪ Compare literary and rhythmic compositions used in classical dance repertoire. ▪ They will get knowledge about the recognize the relationship between movement, rhythm, and coordination in dance. ▪ Demonstrate awareness of the importance of rhythm (Taal and Laya) in performance. ▪ Develop confidence in presenting dance items with discipline and grace. Build appreciation for the overall aesthetics of classical dance performance.
September	**Term-I Examination**	

YOGA (841)		
MONTH	**TOPIC**	**LEARNING OUTCOMES**
April	*Part-A Unit 1 communication skills -3 _____ *Part-B Unit 1-introduction to yoga and yogic practice -1	• *Recognize the process of communication(sender , message , medium, receiver , feedback) • _____ • *Aim and objectives of yoga: physical fitness mental clarity emotional balance and spiritual growth .
May	*Part-B Unit 2 Introduction to yoga Texts-1	• Knowledge of yoga texts • : Patanjali yoga sutras • : Bhagwat gita • : hatha yoga perdipika • *Philosophical understanding • *Practical applications • *Critical thinking

July	Part-A Unit 2 Self management skills -3	• impressive appearance and grooming • self confidence • self awareness • stress management • goal setting • 6 positive thinking and attitude
August	Part-A Unit 3 ICT skills -3	• *fundamentals of ICT • (Information and communication technology) • *Digital communication • (Compose, send, reply, attach files)Etc.
September	**Term I Examination**	

INFORMATION TECHNOLOGY (802)		
MONTH	**TOPIC**	**LEARNING OUTCOME**
APRIL	Employability Skills Unit 1: Communication Skills-III ● Methods of communication ● Verbal & non-verbal communication ● Basic writing skills Subject Specific Skills Unit 1: Computer Organization (Basics) ● Components of computer system ● Input/output devices Memory units	• Demonstrate effective communication • Apply listening and speaking skills • Understand computer architecture • Identify hardware components
MAY	Employability Skills Unit 2: Self-Management Skills-III ● Self-awareness ● Stress & time management Subject Specific Skills Unit 1: Computer Organization (Advanced) ● Storage devices ● Processing units Unit 2: Networking and Internet (Intro) ● Types of networks Internet basics	• Apply self-management techniques • Improve personal productivity • Understand memory and storage • Explain networking fundamentals
JULY	Employability Skills Unit 3: ICT Skills-III ● Digital tools ● File management Subject Specific Skills Unit 2: Networking and Internet (Advanced)	● Use ICT tools effectively ● Manage digital files ● Use internet services

	● Internet services ● Cyber safety	● Apply safe browsing practices
AUGUST	Employability Skills Unit 4: Entrepreneurial Skills-III ● Entrepreneurship basics ● Business ideas Subject Specific Skills Unit 3: Office Automation Tools ● Word processing ● Spreadsheets ● Presentations	● Understand entrepreneurship ● Identify opportunities ● Create documents and spreadsheets ● Develop presentations
SEPTEMBER	**Term I Examination**	