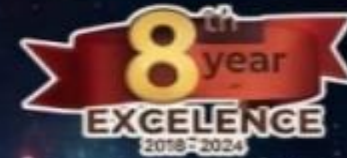




B.C.M. ARYA SCHOOL
Affiliated to CBSE New Delhi
Singla-Enclave, Lalton-Dolon Khurd, Ludhiana



E-ACADEMIC ATLAS

LEARNING BEYOND BOUNDARIES



Class : **XI**
Session: 2026-27



English Core

Books: Hornbill, Snapshot & BBC

Chapter / Theme	Pedagogy and TLM	Activity Integration (Skills/Art/Project)	Assessment Tools	Competency	Learning Outcomes
APRIL					
The Portrait of a Lady	Interactive reading, discussion	Pen portrait of grandmother	Worksheet, oral Qs	Reading & emotional understanding	Students will be able to maintain emotional balance and values
Poster Writing	Demonstration, visual aids	Poster on SDG	Project work	Creative expression	Students will be able to develop imagination & creativity
A Photograph	Recitation, explanation	Poem writing "My Mother"	Worksheet	Literary analysis	Students will be able to understand memory & loss
Advertisement Writing	Practice-based learning	Collect newspaper ads	Writing task	Writing skills	Students will be able to develop effective expression
Comprehension Passage	Guided reading	Practice passages	Test	Analytical reading	Students will be able to improve inference skills
MAY					
The Summer of the	Storytelling,	Group discussion	Worksheet	Critical thinking	Students will be able to develop

Chapter / Theme	Pedagogy and TLM	Activity Integration (Skills/Art/Project)	Assessment Tools	Competency	Learning Outcomes
Beautiful White Horse	discussion				imagination & values
The Laburnum Top	Recitation	Identify poetic devices	Worksheet	Literary skills	Students will be able to appreciate nature
Advertisements	Practice method	Collect classified ads	Writing task	Functional writing	Students will be able to improve writing skills
Gap Filling (Grammar)	Drill exercises	Flow chart of tenses	Worksheet	Grammar accuracy	Students will be able to strengthen grammar usage
JULY					
We Are Not Afraid to Die	Narrative method	Share adventure experience	Oral test	Decision making	Students will be able to value presence of mind
The Voice of the Rain	Explanation	Creative writing	Worksheet	Interpretation	Students will be able to environmental awareness
The Address	Discussion	Sharing memories	Worksheet	Emotional intelligence	Students will be able to develop empathy & courage
Speech Writing	Practice method	Deliver speech	Writing assessment	Communication	Students will be able to persuasive speaking
Note Making	Guided practice	Note making exercises	Test	Organization skill	Students will be able to structure information
Sentence Reordering	Drill practice	Worksheet practice	Worksheet	Grammar skill	Students will be able to form correct sentences

Chapter / Theme	Pedagogy and TLM	Activity Integration (Skills/Art/Project)	Assessment Tools	Competency	Learning Outcomes
AUGUST					
Discovery of Tut	Visual learning	Flowchart activity	Worksheet	Analytical thinking	Students will be able to understand history & science
Childhood	Recitation	Debate activity	Oral assessment	Critical thinking	Students will be able to understand maturity
Mother's Day	Drama method	Role play	Performance rubric	Expression	Students will be able to strengthen relationships
Debate Writing	Practice writing	Debate on current topics	Writing test	Argumentative skill	Students will be able to improve communication
Gap Filling	Grammar practice	Exercises	Worksheet	Accuracy	Students will be able to improve grammar
Case Study Passage	Reading practice	Comprehension tasks	Test	Analytical skill	Students will be able to improve reading
OCTOBER					
The Adventure	Discussion	Diary writing	Writing task	Reflective thinking	Students will be able to learn resilience
Father to Son	Role play	Dialogue activity	Oral test	Communication	Students will be able to understand relationships
Birth	Explanation	Speech activity	Worksheet	Value-based learning	Students will be able to understand service & duty

Chapter / Theme	Pedagogy and TLM	Activity Integration (Skills/Art/Project)	Assessment Tools	Competency	Learning Outcomes
Advertisement	Practice	Newspaper clippings	Writing task	Writing skill	Students will be able to organize ideas
NOVEMBER					
Silk Road	Lecture + visuals	Flowchart of journey	Worksheet	Analytical ability	Students will be able to understand travel challenges
The Tale of Melon City	Activity-based	Role play	Performance assessment	Critical thinking	Students will be able to understand satire & governance

Class: XI Medical

Subject: Biology

Book/s Name: NCERT Biology

Reference Books: Pradeep's, Trueman, All in One

Topic/Chapter/Sub - Topic	Instructional Hours	Learning Objectives/Curriculum Goals	Subject Enrichment/ Project/ Art Integrated Activity/ Lab Manual	Learning Outcomes
APRIL				
Chapter-1: The Living World	2 Hrs.	Students will be Able to apply their knowledge of taxonomic categories to classify and identify organisms in real-world scenarios, such as ecological surveys, biodiversity	Framing of hierarchy of different organisms in order as per NCERT	Students become aware about types of Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial Nomenclature.

		assessments, and conservation projects.		
Chapter-2: Biological Classification	3 Hrs.	Students will be Able to apply the principles of classification (such as morphology, anatomy, physiology, and molecular characteristics) to classify organisms into appropriate taxonomic categories.	Students will be shown Slides of bacteria, oscillatoria, Rhizopus, lichens, Amoeba, Euglena	Students become aware about five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids.
Chapter-4: Animal Kingdom	5 Hrs.	To nurture natural curiosity, aesthetic sense, and creativity in biological processes and Phenomena.	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.	Students get acknowledged about the salient features and classification of animals, nonchordates up to phyla level and chordates up to class level (salient features and at a few examples of each category).
Chapter-7: Structural Organisation in Animals	2 Hrs.	Students will analyze the respiratory adaptations of frogs, including cutaneous respiration through the skin and buccal respiration using the floor of the mouth, and relate these adaptations to their aquatic and terrestrial lifestyles.	Teacher will show some Charts or models on the basic structure of Frog	Students will be able to understand Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog.
MAY				
Chapter 15: Body fluids and circulation	4 Hrs.	Students will : *be able to analyze clinical data,	Teacher will show some Charts or models on the	Students will: *analyze blood compatibility for transfusions

		<p>such as blood pressure readings, heart rate variability, blood glucose levels, and lipid profiles, to assess cardiovascular health and identify potential risk factors for cardiovascular diseases.</p> <p>*develop strategies for managing common cardiovascular disorders, such as hypertension, heart failure, atherosclerosis, and thrombosis</p>	<p>basic structure of Human circulatory system. Students will be shown with some videos to make them understand the concept.</p>	<p>based on blood group antigens and antibodies</p> <p>*develop strategies for managing common cardiovascular disorders, such as hypertension, heart failure, atherosclerosis, and thrombosis, by understanding pathophysiology, lifestyle modifications, medication adherence, and monitoring technique. (critical thinking)</p>
JULY				
Chapter 3 Plant Kingdom	5 Hrs.	<p>Students will be able:</p> <p>*to appreciate the role of plants in ecosystem functioning, conservation of biodiversity, carbon sequestration, and combating climate change</p>	<p>Specimens of funaria, fern, pinus, grass, wheat will be shown to the students.</p>	<p>Students will get to know classification of algae into red algae, green algae and brown algae, characteristics of mosses, liverworts , pteridophytes, gymnosperms and angiosperms</p>
Chapter-5: Morphology of Flowering Plants	4 Hrs.	<p>Students will be Apply knowledge of plant morphology in practical contexts, such as plant identification, understanding plant growth requirements, and designing experiments related to plant biology.</p>	<p>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</p>	<p>Students will understand Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae.</p>

			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).	
Chapter-21: Neural Control and Coordination	3.5 Hrs.	Students will: *Analyze the role of neurotransmitters in synaptic transmission. *Investigate the coordination between the nervous system and endocrine system for maintaining homeostasis. *Evaluate the role of sensory organs in detecting stimuli and transmitting information to the brain.	A Model will be shown to the students explaining the structure and function of various nerves. To show the model of the human brain for better understanding.	Students get acknowledged about Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse
AUGUST				
Chapter-6: Anatomy of Flowering Plants	2 Hrs.	Students will: * be able to apply their knowledge of the epidermal tissue system in practical activities, such as microscopy, experimental design to study	Preparation and study of T.S. of dicot and monocot roots and stems (primary) Study of distribution of stomata on the upper and lower surfaces of leaves.	Students will understand Anatomy and functions of tissue systems in dicots and monocots.

		stomatal behavior, and analyzing plant adaptations in different ecosystems.		
Chapter-8: Cell-The Unit of Life	4.5 Hrs.	<p>*Analyze how different organelles work together to maintain cell homeostasis.</p> <p>*Apply knowledge of cell structure to understand cellular processes like metabolism and protein synthesis. Explain the mechanisms of passive and active transport across cell membranes.</p>	Teacher will show the permanent slides or charts or visuals of various organelles to the students.	Students get acknowledged about 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-10: Cell Cycle and Cell Division	3.5 Hrs.	<p>Students will be able to:</p> <p>*Apply knowledge of the cell cycle and cell division to analyze examples of cell proliferation disorders (e.g., cancer) and potential therapeutic strategies</p> <p>*Draw labeled diagrams, flow charts and concept maps</p>	Mitosis in onion root tip cells and animal's cells (grasshopper) from permanent slides.	Students will be able to understand the criteria of Cell cycle, mitosis, meiosis and their significance
Chapter-9: Biomolecules	2 Hrs.	<p>Student will be able to:</p> <p>*Draws diagrammatic representation of small molecular weight organic compounds in living tissues and concept maps</p> <p>* use the knowledge gained in this section in new situations or to solve related problems.</p>	TO STUDY PRESENCE OF CARBOHYDRATES, FATS AND PROTEINS IN SAMPLE PROVIDED	Students get acknowledged about 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)

SEPTEMBER				
Chapter-9: Biomolecules CONTINUED.....	2 Hrs.	Students will be able to: *understand that biological macromolecules like cellulose, proteins and DNA are polymers made of monomers with distinct chemical properties *describe the formation and breakage of a glycosidic bond with reference both to polysaccharides and to disaccharides including sucrose	TO STUDY PRESENCE OF CARBOHYDRATES, FATS AND PROTEINS IN SAMPLE PROVIDED	Students get acknowledged about 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)
OCTOBER				
Chapter 14 : Breathing and exchange of gases	4.5 Hrs.	Students will: *analyze common respiratory disorders such as asthma, chronic obstructive pulmonary disease (COPD), pneumonia, and understand their causes, symptoms, diagnostic methods, and treatment options	Students will be shown with the models and charts of Human Respiratory System and some various diseases and disorders related to breathing.	Students will: *Learn about the mechanism of respiration and different parts responsible for the respiratory system. *will apply their knowledge of breathing and gas exchange in practical contexts. (applying)
Chapter-19: Excretory Products and their Elimination	5 Hrs.	Students will be able to: *Analyze common disorders of the excretory system, such as kidney stones, urinary tract infections, and renal failure. *Explore the mechanisms of water and electrolyte balance in the body, including osmoregulation and the role of	To study the process of formation of Urine in malphigian bodies and renal tubules with the help of charts.	Students will become aware of Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin -, renal calculi, nephritis; dialysis angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure and

		the kidneys in maintaining fluid balance.		artificial kidney, kidney transplant.
Chapter-20: Locomotion and Movement	3.5 Hrs.	Students will: *Identify the different types of joints in the human body and describe their range of motion and flexibility. *Analyze the coordination of muscular and skeletal systems in producing voluntary and involuntary movements. *Examine common musculoskeletal disorders and injuries, such as sprains, strains, fractures, and arthritis, and discuss their prevention and management.	To study the Human skeleton and different types of joints with the help of virtual images/models only.	Students will understand about 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.
NOVEMBER				
PHOTOSYNTHESIS IN HIGHER PLANTS	3.5 Hrs.	Students will: *Analyze the factors affecting the rate of photosynthesis, such as light intensity, temperature, and carbon dioxide concentration. *Explore the concept of photosynthetic pigments and their absorption spectra in capturing light energy.	1.T.W ENGELMANN EXPERIMENT 2.LIGHT AND DARK REACTION CARBON DIOXIDE, LIGHT, WATER IS NECESSARY FOR THE PROCESS OF PHOTOSYNTHESIS	STUDENT WILL BECOME AWARE OF REACTIONS OF PHOTOSYNTHESIS, PROCESS OF PHOTOSYNTHESIS, CYCLES AND FACTORS ALONG WITH DISCOVERIES AND INVENTIONS
Chapter-22: Chemical Coordination and Integration	3 Hrs.	Students will: *Draws labeled diagrams, flow	Students will be shown a chart explaining the	Students get acknowledged about Endocrine glands and hormones; human endocrine system

		<p>charts, tables, etc.</p> <p>*Apply knowledge of chemical coordination to understand the effects of drugs and hormonal therapies on physiological processes.</p> <p>*Demonstrate the significance of hormonal regulation in adapting to environmental changes, stress, and maintaining health and well-being.</p>	<p>function of various hormones and their related disorders.</p>	<p>- 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.</p>
DECEMBER				
RESPIRATION IN PLANTS	3.5 Hrs.	<p>Students will be able to :</p> <p>*Investigate the metabolic pathways involved in the breakdown of carbohydrates, fats, and proteins during respiration(Amphibolic Pathways)</p> <p>*Discuss the importance of respiration in providing energy for plant growth, maintenance, and metabolic processes.</p>	<p>TO TEST CARBON DIOXIDE IS EVOLVED OUT DURING RESPIRATION</p>	<p>STUDENT WILL COME TO KNOW CYCLES OF RESPIRATION, AMOUNT OF ENERGY RELEASED, IMPORTANCE AND RQ VALUES</p>
JANUARY				
PLANT GROWTH AND DEVELOPMENT	2 Hrs.	<p>*develop ability to acquire and use the methods and processes of science, such as observing,questioning, planning investigations, hypothesising, collecting, analysing and</p>	<p>1. EFFECT OF AUXINS AND CYTOKININ IN TISSUE CULTURE</p> <p>2. SEED GERMINATION AND GROWTH</p>	<p>STUDENTS WILL BECOME AWARE OF VARIOUS PHASES OF GROWTH, EFFECT OF PGRS ON PLANT GROWTH AND DEVELOPMENT ALONG WITH ABCISSION AND SENESCENCE</p>

		<p>interpreting data, communicating explanations with evidences, justifying explanations, thinking critically to consider and evaluate alternative explanation, etc., in the biological perspectives.</p>		
--	--	---	--	--

PRE-MID EXAM: (May 2026)

Chapter-1: The Living World

Chapter-2: Biological Classification

Chapter-4: Animal Kingdom

Chapter-7: Structural Organisation in Animals

Chapter 15: Body fluids and circulation

MID EXAM: (Sep 2026)

A few Chapters of Mid-Term

Chapter 3 Plant Kingdom

Chapter-5: Morphology of Flowering Plants

Chapter-21: Neural Control and Coordination

Chapter-6: Anatomy of Flowering Plants

Chapter-8: Cell-The Unit of Life

Chapter-10: Cell Cycle and Cell Division

Chapter-9: Biomolecules

POST-MID EXAM: (Dec 2026)

Chapter 14: Breathing and exchange of gases

Chapter-19: Excretory Products and their Elimination

Chapter-20: Locomotion and Movement

PHOTOSYNTHESIS IN HIGHER PLANTS

Chapter-22: Chemical Coordination and Integration

RESPIRATION IN PLANTS

FINAL EXAM: (Feb 2026)

Full Syllabus

Unit I

Unit II

Unit III

Unit IV

SKILL ASSESSMENT:

Biology Lab Manual

Objective Type Exams

Group Projects

Portfolio

TOPIC / CHAPTER / SUB TOPIC	INSTR UCTIONAL HOUR S	CURRICULUM GOALS/ LEARNING OUTCOMES	SUBJECT ENRICHMENT / PROJECT / ICT/ART INTEGRATED ACTIVITY	LEARNING OUTCOMES+ LIFE SKILL SWBAT
APRIL				
1.Physical world and measurement Chapter 1: Units and measurement Need for measurement ,units of measurement, system of units,SI units, fundamental and derive units,significant figures. Dimensions of physical quantities, dimensional analysis and its applications.	5 HRS	<ul style="list-style-type: none"> To Understand physical quantities and SI units, Use of measuring instruments like vernier calipers and screw gauge. Apply significant figures and scientific notation. 	Students create a measurement diary using drawing and creative writing to record length, area and volume of objects found in their daily lives.	<ul style="list-style-type: none"> Explains processes, phenomena and laws with the understanding of the relationship between nature and matter on scientific basis; such as, need of accuracy, uncertainties in measurements and significant figures
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	8 HRS	<ul style="list-style-type: none"> To understand basic definitions of distance, displacement, speed, velocity, and acceleration, distance–time and velocity–time graphs and Apply equations of motion to solve problems. 	Create a painting or storyboard showing different types of motion.e.g. Car moving in a straight line (Rectilinear motion),Pendulum swing (Oscillatory motion), Earth around Sun (Circular motion)	<ul style="list-style-type: none"> Understand basic concepts of motion. i.e. distance, displacement, speed, velocity, and acceleration.

<p>motion, uniform and non-uniform motion, average speed and average velocity and instantaneous velocity</p>				
<p>Differentiates between certain physical quantities; such as, between distance and displacement; speed and velocity; rectilinear and curvilinear motions; average, relative, and instantaneous velocity and speed</p>	<p>3 HRS</p>	<p>To understand physical significance of derivatives and integration in daily life.</p>	<p>Students create art using curves of functions (parabolas, sine waves, etc.). Then they draw the derivative graph of the same function beside it. Example: Position–time graph (art curve). Velocity–time graph as derivative.</p> <p>Helps visualize motion in kinematics. Students understand how slope of a curve represents velocity</p>	<ul style="list-style-type: none"> ● After studying Differentiation and Integration in Physics, students should be able to Understand the role of calculus in physics.

JULY

<p>Chapter3: Motion in a Plane</p> <p>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.</p> <p>Chapter–4: Laws of Motion</p> <p>Intuitive concept of force,</p>	<p>5 HRS</p>	<p>To understand vector and scalar quantities, Perform vector addition and resolution, Explain projectile motion, Analyze two-dimensional motion.</p> <p>To Understand Newton’s three laws of motion, Draw and analyze free body diagrams, Explain friction and its types, Solve problems involving force and</p>	<p>Use Rangoli patterns to represent vectors.</p> <p>(Draw arrows in rangoli style, Show vector addition using head-to-tail method, Different colors represent magnitude and direction)</p> <p>Create a comic strip or poster showing the three laws of motion. e.g. 1st Law: A football lying</p>	<p>Describe a plane vector, using correct notation.</p> <p>Perform basic vector operations (scalar multiplication, addition, subtraction).</p> <ul style="list-style-type: none"> ● Newton’s Three Laws of Motion, which are pivotal in understanding how forces govern the motion of objects. It covers the concept of inertia.
--	--------------	---	--	---

<p>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).</p>	<p>7 HRS</p>	<p>motion.</p>	<p>still until kicked</p> <p>2nd Law: A person pushing a shopping cart harder to move faster, 3rd Law: A rocket launching into space</p>	<ul style="list-style-type: none"> ● The relationship between force and acceleration, and the idea of action and reaction forces.
---	--------------	-----------------------	--	--

AUGUST

<p>5. Work, Energy and Power: Chapter– 5: Work, Energy and Power</p> <p>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.</p>	<p>4 HRS</p>	<p>Define work, energy, and power, Understand kinetic and potential energy, Apply the work–energy theorem, Explain conservation of mechanical energy.</p>	<p>Build artistic working models of Lever, Pulley, Inclined plane. Decorate them like mini village scenes (well pulley, cart ramp etc.)</p>	<ul style="list-style-type: none"> ● the concept of work and how to calculate the work done by a force. ● the concept of the net work done on an object and how that relates to a change in speed of the object. ● the concept of kinetic energy and where it comes from.
<p>6. 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</p>	<p>6 HRS</p>	<p>To Understand rotational motion and angular quantities, Define torque and moment of inertia, Explain rolling motion, Apply laws of rotational dynamics.</p>	<p>Create paper cut-out shapes (bird, dancer, leaf) and find their center of mass.(Cut artistic shapes, Suspend them from different points, Draw</p>	<ul style="list-style-type: none"> ● Explores the motion of systems of particles, rigid body rotation, and the centre of the mass concept. ● moment of inertia, torque, and angular momentum, which are essential in

<p>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).</p> <p>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.</p>	<p>6 HRS</p>	<p>To understand Newton's law of universal gravitation, Calculate gravitational force between objects, Understand acceleration due to gravity, Explain satellite motion and escape velocity.</p>	<p>plumb line intersections)</p> <p>Create a space-themed poster. Illustrate: Apple falling from a tree, Earth attracting objects, Earth–Moon gravitational force, Planets orbiting the Sun</p>	<p>understanding rotational dynamics.</p> <ul style="list-style-type: none"> ● concept of gravitation, gravity, acceleration due to gravity, universal law of gravitation. ● variation of acceleration due to gravity with height and depth. ● concept of gravitational potential, gravitational potential energy. ● concept of escape velocity, orbital velocity of satellite. ● Kepler's law of planetary motion.
<p>OCTOBER</p>				

<p>8. Mechanical properties of solids: Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy. Application of elastic behavior of materials.</p>	3 HRS	To Understand the concepts of stress and strain , Explain elastic and plastic deformation of solids, Definition and calculation of Young's modulus, bulk modulus, and shear modulus , Interpret the stress-strain curve	Make a chart or model showing the stress-strain curve . Materials: Chart paper, Rubber band or spring, Scale and markers. Draw the stress-strain graph . Attach a rubber band or spring to show elastic deformation. Label Elastic limit, Yield point, Plastic region, Breaking point .	<ul style="list-style-type: none"> ● practicalities of different types of elastic moduli and relation between stress and strain.
<p>9. Mechanical properties of fluids: Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications (Torricelli's law and Dynamic lift). Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.</p>	6 HRS	To understand pressure and fluid density Explanation of Pascal's law and Archimedes' principle , Understand viscosity, surface tension, and capillarity , Application Bernoulli's principle to real-life situations.	<p>Activity Idea: Create a working model showing Bernoulli's principle.Example: Blow air between two hanging paper strips. They move towards each other. Explain in Chart: Pressure decreases when velocity increases. Decorate with drawings of airplanes, water flow, and pipes.</p>	<ul style="list-style-type: none"> ● practicality of fluid dynamics in real life (Pascal law, Bernoulli's theorem, Magnus effect) ● concept of surface tension and surface energy and will be able to relate it with daily life.

NOVEMBER

number.				
---------	--	--	--	--

JANUARY

<p>CH-13 (Oscillations):Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M), uniform circular motion and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.</p>	<p>8 hours</p>	<p>Understand what oscillatory motion is (back-and-forth motion), Learn Simple Harmonic Motion (SHM) and its conditions, Study key terms: amplitude, time period, frequency, Understand force in SHM, Learn formulas for time period (spring and pendulum), Understand energy changes in oscillations, Know types: free, damped, and forced oscillations.</p>	<p>Create a 4–6 panel comic showing:</p> <ul style="list-style-type: none"> ● A swing moving back and forth ● A spring compressing and expanding ● Label terms like Amplitude, Time Period, Frequency ● Give objects personalities (talking spring or swing) ● Add dialogues explaining concepts <p>Concept: Transverse waves</p>	<ul style="list-style-type: none"> ● Define oscillation and periodic motion ● Identify examples in real life ● Explain terms like amplitude, time period, and frequency ● Describe basic idea of SHM
<p>CH-14 (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.</p>	<p>8 hours</p>	<p>Develop understanding of wave motion as a means of energy transfer without transfer of matter, Differentiate between transverse and longitudinal waves with real-life examples, Understand key wave parameters: wavelength, frequency, amplitude, phase, time period, Study superposition principle and related phenomena like interference and beats, Understand sound waves: production, propagation, and characteristics (pitch, loudness, quality), Learn about speed of sound in different media and factors affecting it, Analyze reflection of sound (echo, reverberation) and practical applications, Develop problem-solving skills using formulas related to waves and sound.</p>	<p>Materials:Cardboard/wood board, Nails or pins, Colored threads</p> <ul style="list-style-type: none"> ● Draw a sine wave on the board, Fix nails along the wave path, Wrap thread around nails to form the wave. 	<ul style="list-style-type: none"> ● Understand what a wave is and how it transfers energy without transferring matter. ● Identify different types of waves: mechanical and electromagnetic. ● Distinguish between transverse and longitudinal waves. ● Learn key terms: wavelength, frequency, amplitude, time period, wave speed.

<p>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.</p> <p>6. Motion of System of Particles and Rigid Body:</p> <p>Chapter–6: System of Particles and Rotational Motion:</p> <p>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).</p>	<p>6 HRS</p>	<p>To Understand rotational motion and angular quantities, Define torque and moment of inertia, Explain rolling motion, Apply laws of rotational dynamics.</p>	<p>Create paper cut-out shapes (bird, dancer, leaf) and find their center of mass.(Cut artistic shapes, Suspend them from different points, Draw plumb line intersections)</p>	<ul style="list-style-type: none"> ● Explores the motion of systems of particles, rigid body rotation, and the centre of the mass concept. ● moment of inertia, torque, and angular momentum, which are essential in understanding rotational dynamics.
<p>12. Gravitation:</p> <p>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.</p>	<p>6 HRS</p>	<p>To understand Newton's law of universal gravitation, Calculate gravitational force between objects, Understand acceleration due to gravity,Explain satellite motion and escape velocity.</p>	<p>Create a space-themed poster.Illustrate: Apple falling from a tree , Earth attracting objects, Earth– Moon gravitational force, Planets orbiting the Sun</p>	<ul style="list-style-type: none"> ● concept of gravitation, gravity, acceleration due to gravity, universal law of gravitation. ● variation of acceleration due to gravity with height and depth. ● concept of gravitational potential, gravitational potential energy. ● concept of escape velocity,orbital velocity of satellite. ● Kepler's law of planetary motion.

OCTOBER

<p>13. Mechanical properties of solids: Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy. Application of elastic behavior of materials.</p>	<p>3 HRS</p>	<p>To Understand the concepts of stress and strain, Explain elastic and plastic deformation of solids, Definition and calculation of Young's modulus, bulk modulus, and shear modulus, Interpret the stress-strain curve</p>	<p>Make a chart or model showing the stress-strain curve. Materials: Chart paper, Rubber band or spring, Scale and markers. Draw the stress-strain graph. Attach a rubber band or spring to show elastic deformation. Label Elastic limit, Yield point, Plastic region, Breaking point.</p>	<ul style="list-style-type: none"> ● practicalities of different types of elastic moduli and relation between stress and strain.
<p>14. Mechanical properties of fluids: Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications (Torricelli's law and Dynamic lift). Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.</p>	<p>6 HRS</p>	<p>To understand pressure and fluid density Explanation of Pascal's law and Archimedes' principle, Understand viscosity, surface tension, and capillarity, Application Bernoulli's principle to real-life situations.</p>	<p>Activity Idea: Create a working model showing Bernoulli's principle. Example: Blow air between two hanging paper strips. They move towards each other. Explain in Chart: Pressure decreases when velocity increases. Decorate with drawings of airplanes, water flow, and pipes.</p>	<ul style="list-style-type: none"> ● practicality of fluid dynamics in real life (Pascal law, Bernoulli's theorem, Magnus effect) ● concept of surface tension and surface energy and will be able to relate it with daily life.

NOVEMBER

JANUARY

<p>CH-13 (Oscillations): Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M), uniform circular motion and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.</p>	<p>8 hours</p>	<p>Understand what oscillatory motion is (back-and-forth motion), Learn Simple Harmonic Motion (SHM) and its conditions, Study key terms: amplitude, time period, frequency, Understand force in SHM, Learn formulas for time period (spring and pendulum), Understand energy changes in oscillations, Know types: free, damped, and forced oscillations.</p>	<p>Create a 4–6 panel comic showing:</p> <ul style="list-style-type: none"> ● A swing moving back and forth ● A spring compressing and expanding ● Label terms like Amplitude, Time Period, Frequency ● Give objects personalities (talking spring or swing) ● Add dialogues explaining concepts 	<ul style="list-style-type: none"> ● Define oscillation and periodic motion ● Identify examples in real life ● Explain terms like amplitude, time period, and frequency ● Describe basic idea of SHM
<p>CH-14 (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.</p>	<p>8 hours</p>	<p>Develop understanding of wave motion as a means of energy transfer without transfer of matter, Differentiate between transverse and longitudinal waves with real-life examples, Understand key wave parameters: wavelength, frequency, amplitude, phase, time period, Study superposition principle and related phenomena like interference and beats, Understand sound waves: production, propagation, and characteristics (pitch, loudness, quality), Learn about speed of sound in different media and factors affecting it, Analyze reflection of sound (echo, reverberation) and practical applications, Develop problem-solving skills using formulas related to waves and sound.</p>	<p>Concept: Transverse waves</p> <p>Materials: Cardboard/wood board, Nails or pins, Colored threads</p> <ul style="list-style-type: none"> ● Draw a sine wave on the board, Fix nails along the wave path, Wrap thread around nails to form the wave. 	<ul style="list-style-type: none"> ● Understand what a wave is and how it transfers energy without transferring matter. ● Identify different types of waves: mechanical and electromagnetic. ● Distinguish between transverse and longitudinal waves. ● Learn key terms: wavelength, frequency, amplitude, time period, wave speed.

--	--	--	--	--

MAY PRE MID TERM SYLLABUS: CH-1 AND 2	
SEPTEMBER MID TERM EXAMINATION SYLLABUS: CH-1 TO CH- 7	
DECEMBER POST MID TERM EXAMINATION SYLLABUS: CH- 8 TO 11	
JANUARY MOCK TEST: FULL SYLLABUS	
FEBRUARY FINAL EXAMINATION	

ACADEMIC ATLAS 2026-27

CLASS-XI SUB-POLITICAL SCIENCE

BOOKS-1. POLITICAL

THEORY

2. INDIAN CONSTITUTION AT

WORK

TOPIC/SUB TOPICS	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES/CURRICULM GOALS	SUBJECT ENRICHMENT/PROJECT/ACTIVITY	LEARNING OUTCOMES/LIFE SKILLS SWBAT
		APRIL		

<p>Political Theory – An Introduction</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> • What is Politics? • Political Theory: Meaning & Significance • Why Study Political Theory? • Debates in Political Theory 	7	<ul style="list-style-type: none"> • Students will Understand the nature and scope of politics • Explain the relevance of political theory • Develop analytical thinking about political concepts 	<ul style="list-style-type: none"> • Case study analysis (current political issues) • Concept mapping 	<p>Students will define politics and political theory</p> <p>Analyze real-life political situations</p>
<p>Constitution – Why and How?</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> • Need for Constitution • Making of the Indian Constitution • Key Features • Understand importance of constitution • Learn historical background 	7	<ul style="list-style-type: none"> • Students will Understand importance of constitution • Learn historical background 	Timeline creation	<p>SWAT Explain constitutional principles</p> <p>Describe constitution-making process</p>

<p>Election and Representation</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> • Elections in Democracy • Electoral Systems • Representation 	8	<ul style="list-style-type: none"> • Students will Understand election process • Analyze representation systems 	<ul style="list-style-type: none"> • Mock elections • Ballot design 	<p>SWAT Explain election procedures</p> <p>Evaluate fairness of elections</p>
		JULY		
<p>Executive</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> • Executive: Role & Types • Judicial Independence & Functions 	7	<ul style="list-style-type: none"> • Students will Understand functioning of government organs • Learn separation of powers 	<ul style="list-style-type: none"> • Mock parliament 	<p>SWAT Describe roles of government organs</p> <p>Analyze checks and balances</p>
<p>Legislature</p> <ul style="list-style-type: none"> • Legislature: Structure & Functions 	10	<ul style="list-style-type: none"> • Students will Understand power and functioning of legislature • Learn separation of powers 	Important decisions of Supreme court	
<p>FEDERALISM</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> • Federal structure 	7	Students will understand the concept of Distribution of powers	Flow charts on list system	SWAT Understand democratic values and institutions and use in their daily life.

<ul style="list-style-type: none"> • Division of powers • Centre-State relations 				
		AUGUST		
Judiciary <ul style="list-style-type: none"> • Structure of courts • Judicial review • Independence of judiciary • Role of Supreme Court of India 	7	<ul style="list-style-type: none"> • Students will Understand judicial system • Learn role of Supreme Court of India 	Mock court trial Case study	SWAT Explains judicial review Understands independence of judiciary
Local governments Topics & Subtopics <ul style="list-style-type: none"> • Panchayati Raj • Municipalities • Decentralization 	6	<ul style="list-style-type: none"> • Learn about decentralization • Understand Panchayati Raj 	Visit a local Panchayat/Municipality	SWAT Explains role of local bodies Identifies importance of grassroots of democracy
Fundamental Rights Topics & Subtopics <ul style="list-style-type: none"> • Meaning & Importance of Rights 	8	Students will Understand role of rights in democracy Explore relationship between rights and duties	<ul style="list-style-type: none"> • Mock constitution drafting • Rights awareness campaign 	SWAT Identify different types of rights Apply rights in real-life situations
		OCTOBER		
Constitution as a Living Document & PHILOSOPHY	6	<ul style="list-style-type: none"> • Students will Understand 	<ul style="list-style-type: none"> • Research major amendments 	SWAT Explains amendment

<ul style="list-style-type: none"> • Amendments • Flexibility of Constitution • Values: Justice, Liberty, Equality • Ideals in the Preamble 		<p>amendments</p> <ul style="list-style-type: none"> • Learn flexibility of Constitution 	Timeline creation	<p>process</p> <p>Analyzes importance of change</p>
<p>Equality</p> <ul style="list-style-type: none"> • Meaning and types • Social, economic, political equality 	5	<ul style="list-style-type: none"> • Understand equality concepts 	Case discussion on inequality	SWAT Explains social & economic equality
<p>Social Justice</p> <ul style="list-style-type: none"> • Just distribution • Equality vs Justice 	6	<ul style="list-style-type: none"> • Students will understand and Learn fair distribution 	Role play on resource distribution	SWAT Explains justice vs equality
		NOVEMBER		
<p>Citizenship</p> <ul style="list-style-type: none"> • Meaning • Rights and duties of citizens 	4	<ul style="list-style-type: none"> • Students will understand and Learn meaning of citizenship 	Essay: "What makes a good citizen?"	SWAT Explains citizen responsibilities
Nationalism	4	<ul style="list-style-type: none"> • Students will 	<ul style="list-style-type: none"> • Discussion on unity in diversity 	SWAT Explains

<ul style="list-style-type: none"> • Meaning • Types of nationalism 		Understand the feeling and impacts of nationalism		types of nationalism
Secularism <ul style="list-style-type: none"> • Meaning • Indian model of secularism 	5	<ul style="list-style-type: none"> • Students will Understand secularism 	<ul style="list-style-type: none"> • Compare secularism in India vs other countries 	SWAT Explains Indian secular model and learn values to respect all religions
Freedom <ul style="list-style-type: none"> • Meaning of Freedom • Types: Negative & Positive <p>Constraints on freedom</p>	5	<ul style="list-style-type: none"> • Understand types of freedom 	Debate: "Are rules a restriction on freedom?"	SWAT Differentiates positive and negative freedom

SYLLABUS FOR PRE MID TERM EXAMS- CH-1,2,3,4,5 (BOOK-1)

Assessment

MID TERM EXAMS-Ch-6,7,8 (book-1) ch-1,2,3,4 (book-2)

**Pen paper test test + Subject
Enrichment+**

POST MID TERM-Ch-ch-5,6,7,8,9(book-2)

**Project=Viva=total
(5+5+5+5=20)**

ACADEMIC ATLAS 2026-27

CLASS-XI SUB-POLITICAL SCIENCE

BOOKS-1. POLITICAL

THEORY

2. INDIAN CONSTITUTION AT

WORK

TOPIC/SUB TOPICS	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES/CURRICULM GOALS	SUBJECT ENRICHMENT/PROJECT/ACTIVITY	LEARNING OUTCOMES/LIFE SKILLS SWBAT
		APRIL		

<p>Political Theory – An Introduction</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> • What is Politics? • Political Theory: Meaning & Significance • Why Study Political Theory? • Debates in Political Theory 	7	<ul style="list-style-type: none"> • Students will Understand the nature and scope of politics • Explain the relevance of political theory • Develop analytical thinking about political concepts 	<ul style="list-style-type: none"> • Case study analysis (current political issues) • Concept mapping 	<p>Students will define politics and political theory</p> <p>Analyze real-life political situations</p>
<p>Constitution – Why and How?</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> • Need for Constitution • Making of the Indian Constitution • Key Features • Understand importance of constitution • Learn historical 	7	<ul style="list-style-type: none"> • Students will Understand importance of constitution • Learn historical background 	Timeline creation	<p>SWAT Explain constitutional principles</p> <p>Describe constitution-making process</p>

background				
Election and Representation Topics & Subtopics <ul style="list-style-type: none"> • Elections in Democracy • Electoral Systems • Representation 	8	<ul style="list-style-type: none"> • Students will Understand election process • Analyze representation systems 	<ul style="list-style-type: none"> • Mock elections • Ballot design 	SWAT Explain election procedures Evaluate fairness of elections
		JULY		
Executive Topics & Subtopics <ul style="list-style-type: none"> • Executive: Role & Types • Judicial Independence & Functions 	7	<ul style="list-style-type: none"> • Students will Understand functioning of government organs • Learn separation of powers 	<ul style="list-style-type: none"> • Mock parliament 	SWAT Describe roles of government organs Analyze checks and balances
Legislature <ul style="list-style-type: none"> • Legislature: Structure & Functions 	10	<ul style="list-style-type: none"> • Students will Understand power and functioning of legislature • Learn separation of powers 	Important decisions of Supreme court	
FEDERALISM	7	Students will understand the concept of Distribution of	Flow charts on list system	SWAT Understand democratic values

<p>Topics & Subtopics</p> <ul style="list-style-type: none"> Federal structure Division of powers Centre-State relations 		<p>powers</p>		<p>and institutions and use in their daily life.</p>
		<p>AUGUST</p>		
<p>Judiciary</p> <ul style="list-style-type: none"> Structure of courts Judicial review Independence of judiciary Role of Supreme Court of India 	<p>7</p>	<ul style="list-style-type: none"> Students will Understand judicial system Learn role of Supreme Court of India 	<p>Mock court trial</p> <p>Case study</p>	<p>SWAT Explains judicial review</p> <p>Understands independence of judiciary</p>
<p>Local governments</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> Panchayati Raj Municipalities Decentralization 	<p>6</p>	<ul style="list-style-type: none"> Learn about decentralization Understand Panchayati Raj 	<p>Visit a local Panchayat/Municipality</p>	<p>SWAT Explains role of local bodies</p> <p>Identifies importance of grassroots of democracy</p>
<p>Fundamental Rights</p> <p>Topics & Subtopics</p> <ul style="list-style-type: none"> Meaning & Importance of 	<p>8</p>	<p>Students will Understand role of rights in democracy</p> <p>Explore relationship between rights and duties</p>	<ul style="list-style-type: none"> Mock constitution drafting Rights awareness campaign 	<p>SWAT Identify different types of rights</p> <p>Apply rights in</p>

Rights				real-life situations
		OCTOBER		
Constitution as a Living Document & PHILOSOPHY <ul style="list-style-type: none"> • Amendments • Flexibility of Constitution • Values: Justice, Liberty, Equality • Ideals in the Preamble 	6	<ul style="list-style-type: none"> • Students will Understand amendments • Learn flexibility of Constitution 	<ul style="list-style-type: none"> • Research major amendments <p>Timeline creation</p>	<p>SWAT Explains amendment process</p> <p>Analyzes importance of change</p>
Equality <ul style="list-style-type: none"> • Meaning and types • Social, economic, political equality 	5	<ul style="list-style-type: none"> • Understand equality concepts 	Case discussion on inequality	SWAT Explains social & economic equality
Social Justice <ul style="list-style-type: none"> • Just distribution • Equality vs Justice 	6	<ul style="list-style-type: none"> • Students will understand and Learn fair distribution 	Role play on resource distribution	SWAT Explains justice vs equality
		NOVEMBER		
Citizenship <ul style="list-style-type: none"> • Meaning • Rights and duties of citizens 	4	<ul style="list-style-type: none"> • Students will understand and Learn meaning of citizenship 	Essay: "What makes a good citizen?"	SWAT Explains citizen responsibilities

Nationalism <ul style="list-style-type: none"> • Meaning • Types of nationalism 	4	<ul style="list-style-type: none"> • Students will Understand the feeling and impacts of nationalism 	<ul style="list-style-type: none"> • Discussion on unity in diversity 	SWAT Explains types of nationalism
Secularism <ul style="list-style-type: none"> • Meaning • Indian model of secularism 	5	<ul style="list-style-type: none"> • Students will Understand secularism 	<ul style="list-style-type: none"> • Compare secularism in India vs other countries 	SWAT Explains Indian secular model and learn values to respect all religions
Freedom <ul style="list-style-type: none"> • Meaning of Freedom • Types: Negative & Positive Constraints on freedom	5	<ul style="list-style-type: none"> • Understand types of freedom 	Debate: "Are rules a restriction on freedom?"	SWAT Differentiates positive and negative freedom

SYLLABUS FOR PRE MID TERM EXAMS- CH-1,2,3,4,5 (BOOK-1)

Assessment

MID TERM EXAMS-Ch-6,7,8 (book-1) ch-1,2,3,4 (book-2)

**Pen paper test test + Subject
Enrichment+**

POST MID TERM-Ch-ch-5,6,7,8,9(book-2)

**Project=Viva=total
(5+5+5+5=20)**

**BCM ARYA SCHOOL (SEN.SEC)
Singla Enclave,Lalton-dolon Khurd,Ludhiana**

CLASS - XI-Commerce

Subject: ACCOUNTANCY

Session :2026-2027

BOOK: Double Entry Book Keeping -I

Month	Unit/Chapter/Topic	INSTRUCTIONAL HOURS	Learning Objective	Art -Integrated Project/Subject enrichment Activity	Learning Outcomes
APRIL	(I)Introduction to accounting Objectives Advantages and limitations. Types of Accounting Users of accounting information Basic Accounting Terms Business transaction, Account, Capital, Liability, Asset, Receipts, Expenditure, Bill payable, Bills receivable,	08HRS	They will explain meaning, importance & limitations of Accounting.	Activity (to introduce the lesson): Probing questions based on Story Telling related to purchase and sell of articles.	After completion of this chapter student will be able to understand: Meaning, definition and process of Accounting. Differentiate between Book keeping and Accounting. Identify users of Accounting information
MAY	Rules of Debit and Credit- Traditional Approach and Modern Approach. Classification of Accounts Meaning of Debit and Credit Journal Meaning and Advantages of Journal. Journal entries.		They will differentiate between Accounting and Bookkeeping. Students will learn various accounting terms.		To describe objectives, merits & limitations of accounting in the modern economic environment with varied types of business and non-business economic entities. To give examples of terms like business transaction, assets, liabilities, receipts, expenditure, sales and purchases.

		06HRS		Group discussion:about their basic own Business	
--	--	-------	--	--	--

AUGUST		10HRS		Lecture Method:a video to be shown	
--------	--	-------	--	------------------------------------	--

<p>OCTOBER</p>	<p>Difference between SLM and WDV; Advantages of SLM and WDV</p> <ul style="list-style-type: none"> • <p>Method of recoding depreciation</p> <ol style="list-style-type: none"> Charging to asset account Creating provision for depreciation/accumulated depreciation account <p>Treatment of disposal of asset Provisions, Reserves, Difference Between Provisions and</p> <p>Reserves. Types of Reserves:</p> <ol style="list-style-type: none"> Revenue reserve Trial balance and Rectification of Errors <ul style="list-style-type: none"> • <p>Trial balance: objectives, meaning and preparation (Scope: Trial balance with balance method only)</p> <p>Errors: classification-errors of omission, commission, principles, and compensating; their effect on Trial Balance.</p>	<p>12HR</p>	<p>Activity – Students will be told to prepare a list of assets surrounding him on which depreciation is charged</p> <p>preparing trial balance and develop the skill of preparing trial balance.</p>	<p>To explain the necessity of providing depreciation and develop the skill of using different methods for computing depreciation.</p> <p>To understand the accounting treatment of providing depreciation directly to the concerned asset account or by creating provision for depreciation account.</p> <p>To appreciate the method of asset disposal.</p> <p>To appreciate the need for creating reserves and also making provisions for events which may belong to the current year but may happen in next year?</p>	<p>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. learn about the methods of asset disposal</p> <p>Students will able to understand about Give difference between reserve and reserve fund.</p>
-----------------------	--	-------------	---	--	--

		12HR	Will be able to check the arithmetical accuracy of account Know how to prepare the trial balance			
--	--	------	--	--	--	--

	<p>Errors: classification-errors of omission, commission, principles, and compensating; their effect on Trial Balance.</p> <ul style="list-style-type: none"> Detection and rectification of errors; <ul style="list-style-type: none"> (i) Errors which do not affect trial balance (ii) Errors which affect trial balance preparation of suspense account. 	08HRS	<p>Practical questions from work sheet Roll play activity enacting the role of different parties. Ledger balances will be given to the students and students will prepare Trial Balance. Student will collect the ledger balances from different reference books and they will prepare Trial Balance.</p>	<p>Understand the concept of Trial Balance, Rectification of errors, Able to Prepare Trial Balance Prepare Suspense a/c</p>	<p>Understanding Basic Concept, Analytical Problem Solved, Calculation</p>
NOVEMBER	<p>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.</p> <p>Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation.</p> <p>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.</p> <p>Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments.</p>	<p>12HRS</p> <p>10HRS</p>	<p>Lecture Method: Practical questions from worksheet. Project: File Preparation</p>	<p>Student will learn to Understand concept of final account with and without adjustments. Differentiate between trading & profit and loss account and Trial Balance and Balance sheet. Prepare final accounts different</p> <p>Trading Account, Profit and Loss Account and Balance Sheet without adjustments. Understand the meaning</p>	<p>Understanding Basic Concept, Analytical Problem Solved, Calculation</p>

			<p>Lecture Method: Practical questions from worksheet. Project: File Preparation</p>	<p>of adjustment entries and its treatment in final accounts. Prepare final accounts with placement of different adjustments in Final Accounts.</p>	<p>Understanding Basic Concept, Analytical Problem Solved, Calculation</p>
--	--	--	--	---	--

	<p>Incomplete Records Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method. (excluding conversion method)</p>	<p>Explain the meaning of Incomplete Records Prepare accounts from incomplete records – Preparation of statement of affairs and calculation of profit. To integrate different information. To deal with real life situation</p>	<p>Lecture Method: Practical questions from worksheet. Project: File Preparation</p>	<p>Explain the meaning of Incomplete Records To know how to prepare accounts from incomplete records – Preparation of statement of affairs and calculation of profit. Students will be able to : Understand the Single and Double Entry system of Accounting Distinguish between Balance Sheet and Statement of Affairs Method. Understand to calculate the profit by statement of Affairs Method.</p>
--	--	---	--	--

BCM ARYA SCHOOL (SEN.SEC)
Singla Enclave,Lalton-dolon Khurd,Ludhiana

CLASS - XI

Subject: Business Studies

Session :2026-2027

BOOK: NCERT

Month	Unit/Chapter/Topic	INSTRUCTIONAL HOURS	Learning Objective	Art-Integrated /subject enrichment activity	Learning Outcomes and Skills Learnt by Students
APRIL	UNIT 1: Business, Trade and Commerce History of business , activities, Concept, features of business	06 HRS	To enable the students to learn about business, history, activities.	Lecture Method PPTs	Students will be able to learn about business in ancient times, activity types and its growth in modern era
	Business Objectives,Business Risk, Causes of business risk Industry and its types	04 HRS	To enable the students to learn about objectives of business and the various risks involved in it	examples from real life situations Solve Case Studies	Students will be able to learn about Business risk and its causes
	Commerce and Trade and auxiliary to trade, Make in India concept	063HRS	To enable the students to learn about Trade and various auxiliaries of trade	Lecture method Discussion Method Case Base Questions	students will be able to learn about trade and auxiliaries to trade
	UNIT 2: Forms of Business Organisations Sole Proprietorship, Partnership, Hindu Undivided Family Business, Cooperative Societies,	04 HRS	To enable the students to understand the concepts of various forms of business organisations and their merits and limitations	Videos Black Board Case Studies	Students will be able to learn about various types of business organisations and their merits
	Merits ,limitations, types of partners and partnership, registration, Partnership deed		To enable the students to understand the types of partners and partnership, partnership deed, registration of partnership	Role play Discussion Method	Students will be able to learn about various types of of societies
MAY	UNIT 3:Public, Private and Global Enterprises Departmental Undertaking Statutory Corporation Government Company	06 HRS	To enable the students to learn about Departmental Undertaking, Statutory Corporation and Government Company	Lecture method Discussion Method Case Base Questions	Students will be able to learn about partnership deed

	Global Enterprises – Feature Joint Venture, PPP concept	08 HRS	To enable the students to understand about Global Enterprises and Public Private Partnership	Lecture method Discussion Method Case Base Questions	Students will be able to learn about various types of business with globally
JULY	UNIT 4: Business Services Banking Services meaning and types, Bnking: types of bank account saving, current recurring, fixed deposit and Multiple option deposit account	6HRS	To enable the students to understand the concept of business services, bank accounts	Lecture method Discussion Method Case Base Questions	Develop an understanding of the different services provided by the banks
	Banking services with particular reference to bank draft bank overdraft, cash credit E-Banking :- meaning, types of digital payments	04 HRS	To enable the students to understand the online banking	Lecture method Discussion Method Case Base Questions	Students will be able to learn about how to do online banking
	Insurance – Principles. Types – life, health, fire and marine insurance -concept Postal services-Mail, Registered Post Parcel, Speed Post Parcel	06 HRS	To enable the students to understand the concept and types of insurance and utility of different telcom services	Lecture method Discussion Method Case Base Questions	Students will be able to learn about Insurance and its Principles and its types they also learn how the postal services are helpful in business
AUGUST	UNIT 5 Emerging Modes of Business		To enable the students to understand the concept of E-business	Black board Smart board	Students will be able to learn about E-business concept, scope and advantages and its comparison with Traditional business
	UNIT 6 Social Responsibility of Business and Business ethics concept, Arguments for and against social responsibility, Kinds of social responsibility ,Social Responsibility towards different interested groups .	06 HRS	To enable the students to understand the concept, interested groups ,Arguments in favour and against ,Kinds of social responsibility	Lecture method Discussion Method Case Base Questions	Students will be able to learn about social responsibility of business
	Role of business in environment protection, Business ethics-concept and elements		To enable the students to role of business in environmental protection ,business ethics	Lecture method Discussion Method Case Base Questions	Students will be able to learn about Business ethics and role of business in environment protection.
OCTOBER	UNIT 2: Chapter Formation of a Company Stages and documents to be used in formation of company .	08 HRS	To enable the students to understand the different stages and important documents used in formation of a company	Lecture method Smart board Case Base Questions	Students will be able to learn about different stages and important documents required for formation of companies

UNIT 7: Sources of Business Finance Concept, Nature and Importance of business finance Owner's fund-Equity shares, preference shares, retained earnings	05 HRS	To enable the students to understand the concept Nature, importance of business finance	Lecture Method Black board	Students will be able to learn about different sources of business finance and Owner's fund
--	--------	---	----------------------------	---

	Borrowed Fund- Debenture, bonds, loan from financial institutions and commercial banks ,trade credit, public deposits ,Inter Corporate Deposits (ICD)	04 HRS	To enable the students to understand the types of owner 's fund and types of borrowed fund and differentiate between owner 's fund and borrowed fund	Lecture method Discussion Method Case Base Questions	Students will be able to learn about different stages and important borrowed funds
	UNIT 8 :Small Business and Enterprises Entrepreneurship Development Concept, Characteristics and Need, Process, Start up India Scheme ,Ways to fund start up, Intellectual Property Rights and Entrepreneurship Small Scale Enterprises MSMED Act 2006 Role of Small Business in India with special reference to rural areas	08 HRS	To enable the students to understand Entrepreneurial Development , MSMED ACT role of small scale business in rural areas and government schemes	Lecture method Discussion Method Case Base Questions	Students will be able to learn about different stages and important documents required for formation of companies
NOVEMBER	UNIT 9: Internal Trade Meaning, types services rendered by wholesaler retailer Itinerant and small scale fixed shop retailers , Departmental Stores, Chain Stores		To enable the students to understand the concept of wholesaler ,retailer and types of retailer .and about large scale retailers	Lecture Method Diagrammatic Presentation	Students will be able to learn about Internal Trade and its types
	UNIT 10 : International Trade International trade concept and advantages Export Trade Meaning and procedure Import Trade- Meaning and procedure. Documents Involved in International trade		To enable the students to understand the concept of International trade its advantages, Procedure for export and import, WTO and its objectives	Lecture Method Role Play	Students will be able to learn about International Trade and its advantages and export, import procedure
	World Trade Organisation(WTO) Meaning and Objectives	06 HRS	To enable the students to understand the concept of WTO and its objectives	Lecture Method Black board	Students will be able to learn about WTO and its objectives

BCM ARYA SCHOOL (SEN.SEC)

Singla Enclave,Lalton-dolon Khurd,Ludhiana

CLASS - XI

Stream-Commerce

Subject: Economics

Session 2026-2027

BOOKS: (A) INTRODUCTRY MICRO ECONOMICS (B) STATISTICS FOR ECONOMICS

MONTH	UNIT/CHAPTER/TOPIC	INSTRUCTI ONAL HOURS	LEARNING OBJECTIVE	ART INTEGRATED PEDAGOGY TOOLS USED	LEARNING OUTCOMES
APRIL	<p>STATISTICS – Chapter 1: Introduction (Statistics)</p> <ul style="list-style-type: none"> • Meaning of Economics • Classification of eco-activities • Meaning of Statistics in plural and singular sense • Functions, importance and limitations of statistics. <p>MICRO ECONOMICS Unit 1 – Chapter 1: Introduction and Central problems of an Economy</p> <ul style="list-style-type: none"> • Introduction • A types economy • Micro & Macro economics • Positive & normative economics • Central problems on an economy 	04HRS	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Know the subject of Economics is about. 2. Understand how economics is linked with the study of economic activities in consumption, production and distribution. 3. Understand why knowledge of statistics can help in describing consumption, production and distribution. 4. Learn about some uses of statistics in the understanding of economic activities. <p>They will be able to identify difference between positive & economics</p> <ol style="list-style-type: none"> 1. The students will be able to understand the meaning of economy. 2. The students will know the terms micro & macroeconomics & their difference. 3. The students will elaborate with solutions the 4. The students will elaborate with solutions the 	<ol style="list-style-type: none"> 1. Students may be asked to list different activities of members of their family, different kinds of scarcities that they face in their daily life, list examples of qualitative and quantitative data. 2. Students may be asked to make a questionnaire, collect data on different issues from different sources, read different survey reports. 3. Students will be told to bring their last year mark sheet and tell them to collect the data subject wise after forming a group. <p align="center">SHOW VIDEO ON THE ART CLASS.</p>	<p>Students will learn:</p> <ul style="list-style-type: none"> • Basics of economics and co- relate with economics problem. • Various economic activities, economic problems and its reasons. • Statistics in and how statistics help in the understanding of economics about what the data is and its types, the uses of data, methods of data collection and agencies collecting data in India. • Critical thinking. Problem solving, communication skill. • Confidence will increase • Maintaining public relations • Patience and respecting people ➤ Research oriented <ul style="list-style-type: none"> • Development of economic reasoning which the learners can apply in their day to day life as citizens, consumers & workers. • Understanding some basic concepts & development of economic reasoning which the learners can apply in their day to day life as citizens, consumers & workers. <p>Realization of learner’s role the economic issues that the nation is facing today.</p> <ul style="list-style-type: none"> • Equipments with basic tools of economics to analyse economic issues. This is pertinent fervent those who may not peruse this course beyond senior secondary stage. <p>Development of understanding that</p>

	Production Possibility Curve (PPC)	10HRS	central problems of economy, what to, how & for whom to produce, allocation of resources & growing the resources dealing with them.	<p>Students will be told to bring their last year mark sheet and tell them to collect, organize and present the data subject wise after forming a group. Art Integration</p> <p>Students will be asked to prepare a questionnaire on a topic selected by them, collect the data, and organize it then using statistical tools present the data. As a project.</p>	there can be more than one view on any economics issue & necessary skills to argue logically with reasoning.
MAY	STATISTICS Chapter 5: Measures of Central Tendency <ul style="list-style-type: none"> ● Mean ● Median ● Mode 	06HRS	<ol style="list-style-type: none"> 1. Understand the meaning and purpose of central tendency. 2. Distinguish between mean, median & mode. 3. Know the hoe to calculate averages and positional value. 4. To be familiar with techniques of calculating central tendency. 5. Know about difference between averages and positional values. 	The practical use of the three will be shown and discussed in the class, for better understanding of the three measures of central tendency.	<p>Students will learn:</p> <ul style="list-style-type: none"> ● Basics of economics and co- relate with economics problem. ● Various economic activities, economic problems and its reasons. <p>Statistics is and how statistics help in the understanding of economics. About what the data is and its types, the uses of data, methods of data collection and agencies collecting data in India.</p>

<p>MACRO ECONOMICS UNIT II – CHAPTER 2 – Consumer’s Equilibrium</p> <ul style="list-style-type: none"> ● Introduction ● Theory of consumer behavior ● Cardinal Approach/ Indifference Curve 	06HRS	<ol style="list-style-type: none"> 1. Students will be able to learn the concept of MU and TU. 2. Consumer’s equilibrium – one & two commodity. 3. The students will present consumer’s budget using budget set, budget line & changes in budget set. 4. The students will learn preferences by studying monotonic preferences, substitution between goods, Diminishing rate of substitution, indifference curve, it’s shape & indifference map, utility, optimal choice. 	<p>Students will be told to bring their last year mark sheet and tell them to collect, organize and present the data subject wise after forming a group. Art Integration Students will be asked to prepare a questionnaire on a topic selected by them, collect the data, and organize it then using statistical tools present the data. As a project</p>	<p>Text pages of NCERT & Notes. Black-Board and Lecture Method & Solving sums.</p> <p>Students will be asked to prepare table on MU and TU on their personal</p>	<p>Derive the equilibrium of the consumer using these above two concepts and dictate the price effect and split it up into substitution effect and income effect.</p> <p>Clear with the concept of budget line and changes in Concept of equi-marginal will be clear.</p>
<p>CHAPTER 3 – Theory of Demand</p> <ul style="list-style-type: none"> ● Introduction ● Demand schedule ● Demand curve ● Demand function ● Determinants or factors affecting Demand ● Law of Demand ● Change in Demand <p>CHAPTER 4 - Price Elasticity of Demand</p> <ul style="list-style-type: none"> ● Definition ● Degree of price elasticity ● Methods to calculate Elasticity of demand <p>Factors affecting elasticity of demand</p>	10HRS	<ol style="list-style-type: none"> 1. The students will learn the concept of demand. 2. Law of demand, factors affecting law of demand. 3. Normal & inferior goods, substitute & complimentary goods. 4. Shift in demand curve, movement along demand curve. 4. Why does demand curve slope downward? 	<p>Text pages of NCERT & Notes. Students will be asked to compare the price and demand of the any product during the lockdown period and same product during regular period and try to find the reasons of the same.</p>	<p>Students will be asked to prepare table on MU and TU on their personal</p>	<p>Appreciate the difference between Normal and inferior goods.</p> <p>Explain the concepts of law of demand and expectations to law of demand.</p> <p>Clear with the concept of substitute goods and complementary goods will be clear.</p> <p>Clear with the concept of downward sloping of demand curve.</p> <p>Clear with the concept of effect of increase or decrease in price on demand.</p>
<p>MICRO ECONOMICS UNIT III Chapter – Theory of Supply</p>	06HRS	1..The students will be able to understand the	Text pages of NCERT & Notes.		<p>Supply and supply curve in relation to price.</p> <p>Determinants of supply</p>

	<p>and Price elasticity of Supply.</p> <ul style="list-style-type: none"> • Meaning • Supply schedule and supply curve. • Factors affecting supply. • Supply function. • Change in supply. • Degrees of elasticity of supply. • Methods to calculate elasticity of supply. • Factors affecting price elasticity of supply. 		<p>supply.</p> <ol style="list-style-type: none"> 2. Law of supply, factors affecting law of supply. 3. Shift in supply & moment along supply curve. 4. Price elasticity, methods and sums. 	<p>Show videos in the class.</p> <p>Students will be asked to observe the supply and its price during a normal period during a particular situation.</p>	<p>curve.</p> <ul style="list-style-type: none"> • Extension and contraction of supply. • Elasticity of supply and its factor affecting supply. • And able to solve numerical questions based on it. • Problem solving skill • Relatedness • Interdependency • Being futuristic • Decision making <p>Analytical skill</p>
OCTOBER	<p>MICRO ECONOMICS</p> <p>CHAPTER 5 – Production function</p> <ul style="list-style-type: none"> • Introduction • Meaning of Production Function – Short – Run and Long – Run. • Total Product, Average Product and Marginal Product. • Law of variable Proportion / Returns to a Factor. <p>MICRO ECONOMICS</p> <p>CHAPTER 6 – Theory of Cost</p> <ul style="list-style-type: none"> • Short run costs – total cost, total fixed cost, total variable cost. • Average cost, Average fixed cost, Average variable cost. • Marginal cost – meaning and their relationships. <p>CHAPTER 7 – Concept of Revenue Total, Average and Marginal Revenue.</p>		<p>Production function Short Run & Long Run</p> <p>The students will be able to know Meaning - Short Run, Long Run. Difference between them, concept of product, law of variable proportions, diminishing returns, relations between TP & MP, relations between MP & AP.</p> <p>The students will be able to understand meaning, short run costs, average costs, marginal cost and relationships between short run costs, Sums.</p>	<p>Text pages of NCERT & Notes.</p> <p>Numerical will be solved.</p> <p>Diagrams related to cost and revenue.</p> <p>Art Integration - Students will be motivated to present the cost curves revenue curves in a creative way.</p>	<p>The students will be able to know Meaning, short run, long run, difference between them, concept of product, law of variable proportions, diminishing returns, relation between TP & MP, relation between MP & AP</p> <ul style="list-style-type: none"> ➤ Critical thinking skills. ➤ Understand prevailing market conditions. ➤ Problem solving. ➤ Change ability. Budgeting. <ul style="list-style-type: none"> • The students will be able to understand meaning, short run costs, average costs, marginal cost and relationships between short run costs, Sums. • Critical thinking skills • Problem solving • Change ability Budgeting

	<ul style="list-style-type: none"> • Meaning and their relationship. <p>CHAPTER 8 – Producer’s equilibrium</p> <ul style="list-style-type: none"> • Meaning • Conditions in terms of marginal revenue and marginal cost. 		<p>The students will be able to understand meaning, TR, AR, MR, relationship between them.</p> <p>The students will be able to identify meaning of profit, producers, Short term & Long term equilibrium. MR – MC approach</p>	<p>Numerical will be solved Worksheet will be provided for practice of the concept at Google classroom.</p>	<p>The students will be able to understand meaning, TR, AR, MR, relationship between them.</p> <p>The students will be able to understand the concept of equilibrium of producers with the help of MR – MC approach.</p>
NOVEMBER	<p>STATISTICS</p> <p>CHAPTER – Correlation</p> <ul style="list-style-type: none"> • Meaning of correlation • Types of correlation • Degrees of correlation • Scatter diagram • Measures of correlation – Karl Pearson’s method (two variables ungrouped data) Spearman’s rank correlation. <p>UNTI IV</p> <p>CHAPTER – Forms of Market and Price Determination under Perfect Competition</p> <ul style="list-style-type: none"> • Perfect competition – Features. • Determination of market equilibrium and effects of shifts in demand and supply. • Other market forms – monopoly, monopolistic competition – their meaning and features. <p>Simple Applications of demand & Supply – price ceiling, price floor.</p>	•	<ul style="list-style-type: none"> • To measure variability and standard deviation. • To analyze the data to make generalizations about the measures of dispersion. • To explain that the standard deviation is an accepted statistic to measure the dispersion of data about the mean. 	<p>Text pages of NCERT & Notes.</p> <p>Black – Board and Lecture Method & Solving Sums.</p>	<ul style="list-style-type: none"> • Learn about calculating correlation. • Learn different methods of calculating correlation. • Learn to collect, organize & display data. • Learn to use technology to compute the correlation for a set of data and interpret correlation in relation to the context or problem solution. <ol style="list-style-type: none"> 1. In order to successfully demonstrate this knowledge, the student must apply their knowledge to distinguish between the four major market types (perfect competition, monopolistic competition, oligopoly & monopoly) 2. The student must be able to identify the output that will be produced by the firm, the price that will be charged by the firm and the amount of profit that will be earned by the firm. 3. The student must also be able to explain the difference between the short – run and long-run equilibrium in the various types of market structures. 4. Comprehend the nature of demand, changes in quantity demanded, changes in demand and the factors that affect demand.
			The students will be able to understand meaning of		

market, perfect competition, monopoly, monopolistic competition, differences between them, oligopoly, and comparison between different market structures.

Text pages of NCERT & Notes.
Black-board & lecture method.

Students will be asked to find products in various markets and discuss it in the class.

	STATISTICS CHAPTER – Introduction to Index Numbers <ul style="list-style-type: none"> • Meaning • Simple and weighted index numbers 	<ol style="list-style-type: none"> 1. To define index numbers. 2. To explain the uses of index numbers. 3. To identify and use the following 	Numerical will be solved Worksheet will be provided for practice of the concept at Google classroom.	<ul style="list-style-type: none"> • Learn to define index numbers. • Learn different methods of calculating index numbers. • Learn to understand different uses of index
	<ul style="list-style-type: none"> • Wholesale price index, consumer price index and index of industrial production. • Uses of index numbers, inflation and index numbers. 	methods for construction of index numbers. (i) Aggregate method (ii) simple average of relative method. <ol style="list-style-type: none"> 4. To explain the advantages of different methods of index numbers. 5. To understand different methods of calculating index numbers. 	Numerical will be solved Worksheet will be provided for practice of the concept at Google classroom.	numbers. <ul style="list-style-type: none"> • Learn to collect, organize and display data.

ACADEMIC ATLAS 2026-27

CLASS-XI

SUBJECT-AI

BOOK NAME:NCRT

TOPIC / CHAPTER / SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES / CURRICULUM GOALS	SUBJECT ENRICHMENT / PROJECT / ICT/ART INTEGRATED ACTIVITY	LEARNING OUTCOMES + LIFE SKILL
APRIL				

Unit 1 Introduction – AI for Everyone; Unit 8: AI Ethics and Values; Communication Skills – III	20 hrs (Concept explanation, discussion, role play, activities, revision, and assessment.)	To understand AI concepts, applications, and ethical issues, and to develop effective communication and presentation skills.	AI games, real-life examples, AI videos, discussions, role play, case studies on ethics.	Student will be able to explain AI concepts, identify ethical concerns, and communicate ideas effectively.
MAY				
Unit 4: Introduction to Capstone Project; AI Project Cycle; Skill Assessment,	15 hrs (Concept explanation, brainstorming, activities, practice, and assessment.)	To understand AI project cycle stages and develop problem-solving skills through capstone project planning.	4Ws canvas, brainstorming, project ideation, notebook work, portfolio, class test.	Student will be able to apply AI project cycle and plan a basic AI project.
JULY				
Unit 3: Python Programming; Unit 5: Data Literacy (Data Collection to Data Analysis)	14 hrs (Coding practice, activities, mini projects, revision, and assessment.)	To develop programming skills and understand data collection, analysis, and visualization techniques.	Python coding exercises, mini projects, CSV handling, data visualization activities.	Student will be able to write Python programs and analyze data effectively.
AUGUST				
Unit 6: Machine Learning Algorithms; Entrepreneurial Skills – III	14 hrs (Concept explanation, demonstrations, case studies, and assessment.)	To understand machine learning algorithms and develop innovation and entrepreneurial thinking.	ML model demonstrations, case studies, startup idea discussions.	Student will be able to explain ML algorithms and apply innovative thinking.
OCTOBER				
Advanced AI Concepts (Revision of ML/NLP + Applications); Green Skills – III	15 hrs (Concept explanation, activities, project work, and assessment.)	To strengthen understanding of AI applications and promote environmental awareness.	AI-based activities, poster making, SDG-based projects.	Student will be able to relate AI concepts to real-world applications and sustainability.
NOVEMBER				
Practical Work & File Completion; Skill Assessment	—	To apply AI and programming knowledge and evaluate learning	Project completion, Python programs, notebook and portfolio	Student will be able to demonstrate practical proficiency and

		progress.	assessment.	understanding.
DECEMBER				
NOVEMBER – Revision + Practical Practice	—	To strengthen AI concepts and programming skills.	Practice worksheets, coding revision, doubt sessions.	Student will be able to improve conceptual clarity and coding proficiency.
JANUARY				

ACADEMIC ATLAS 2026-27

CLASS- XI

SUBJECT- PSYCHOLOGY SUBJECT CODE-037

BOOK NAME: NCERT

TOPIC / CHAPTER / SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES / CURRICULUM GOALS	SUBJECT ENRICHMENT / PROJECT / ICT/ART INTEGRATED ACTIVITY	LEARNING OUTCOMES + LIFE SKILL SWBAT
APRIL				
Chapter 1: What is Psychology? Subtopics: Nature of psychology Psychology as a discipline Understanding mind and behaviour , Popular notions vs psychological understanding , Evolution of psychology , Branches of psychology , Psychology in everyday life	8 hrs	To understand meaning & nature of psychology, Explain goals of psychology, Differentiate psychology from related disciplines	Mind map on branches of psychology• Class discussion on myths about psychology	Students will be able to define psychology and explain its scope and goals.

<p>Processes</p> <p>Subtopics: Sensation (sense organs, thresholds), Attention (types, determinants), Perception (organization, principles), Perceptual constancies, Illusions</p> <p>Chapter 5: Learning</p> <p>Subtopics: Nature of learning, Types of learning: Classical conditioning, Operant conditioning, Observational learning, Cognitive processes in learning, Factors influencing learning</p>	12 hrs	<p>perception</p> <p>To understand classical & operant conditioning• Explain observational learning</p>	<p>Role play on conditioning• Classroom experiment on reinforcement</p>	<p>Students will be able to compare learning theories and apply them to real-life examples</p>
--	--------	---	---	--

AUGUST

<p>Chapter 6: Human Memory</p> <p>Subtopics: Nature of memory, Memory processes (encoding, storage, retrieval), Types of memory (sensory, short-term, long-term), Forgetting (causes, theories), Methods to improve memory</p>	10 hrs	<p>To understand types of memory, Explain memory processes, Improve memory strategies</p>	<p>• Memory enhancement activity• Flowchart on memory process</p>	<p>Students will be able to explain memory stages and suggest improvement techniques.</p>
--	--------	---	---	---

Topic/Chapter/Subtopic	Instructional Hours	Learning Objectives/Curriculum Goals	Sub-Enrichment / Art Integrated Activities	Learning Outcomes
APRIL – MAY				
Theory: Pre-Historic Rock Paintings Practical: 2 Landscapes, 2 Still Life	20–24 Hours	<ul style="list-style-type: none"> • To understand origin of art and early human expression • To develop skills in landscape and still life composition • To enhance observation and drawing skills 	<ul style="list-style-type: none"> • Study and recreate prehistoric motifs • Outdoor sketching for landscapes 	<ul style="list-style-type: none"> • Students will be able to understand early art forms. • Students will be able to create basic compositions effectively.
JULY – AUGUST				
Theory: Art of Indus Valley Practical: 2 Compositions, 1 Still Life	20–24 Hours	<ul style="list-style-type: none"> • To gain knowledge of Indus Valley art and culture • To improve composition and object drawing skills • To develop design understanding 	<ul style="list-style-type: none"> • Clay or motif-based design inspired by Indus seals 	<ul style="list-style-type: none"> • Students will be able to create balanced compositions. • Students will be able to relate art with historical context.
SEPTEMBER – OCTOBER				
Theory: Buddhist, Jain & Hindu Art Practical: 2 Landscapes, 2 Compositions	20–24 Hours	<ul style="list-style-type: none"> • To understand religious art traditions • To enhance creative composition skills • To develop cultural awareness 	<ul style="list-style-type: none"> • Artwork inspired by Ajanta/Ellora or temple art 	<ul style="list-style-type: none"> • Students will be able to depict themes with cultural relevance. • Students will be able to create expressive compositions.
NOVEMBER – DECEMBER				
Theory: Temple Sculpture, Bronzes & Indo-Islamic Architecture Practical: 1 Folk Art, 1 Landscape	16–20 Hours	<ul style="list-style-type: none"> • To understand Indian architecture and sculpture • To explore folk art styles • To develop artistic techniques 	<ul style="list-style-type: none"> • Folk art practice (Madhubani/Warli) • Architectural sketching 	<ul style="list-style-type: none"> • Students will be able to apply traditional styles. • Students will be able to create structured artworks.
JANUARY – FEBRUARY				
Theory: Continuation of Temple Sculpture & Architecture Practical: 2 Still Life, 1 Composition	16–20 Hours	<ul style="list-style-type: none"> • To strengthen observation and shading skills • To improve composition techniques • To revise theoretical concepts 	<ul style="list-style-type: none"> • Practice-based assignments • Portfolio completion 	<ul style="list-style-type: none"> • Students will be able to demonstrate improved technical skills. • Students will be able to create refined compositions.

BCM ARYA SCHOOL

ACEDMIC PLANNER 2026-27

CLASS-XI

SUBJECT-LEGAL STUDIES

BOOK-legal studies (NCERT)

Topic/chapter/Sub topics	Instructional hours	Learning objectives/ Curriculum goals	Activity/project/ICT/Art integrated	Learning outcomes/Life skills SWBAT
		APRIL-MAY		
<p>Unit-1</p> <p>Concept of State</p> <p>i. What is a State?</p> <p>ii. The concept of State and Article 12 of the Indian Constitution</p> <p>iii. What is Government?</p> <p>iv. Emergence of the State from Society</p> <p>v. Definition of State</p> <p>vi. Theories on the Origin of State</p> <p>vii. Elements of a State</p> <p>viii. Role of a State</p>	5	Develop basic understanding of State and its role in society	Group discussion: “Life without State”	SWBAT explain meaning, nature of state, relate theories to daily life
<p>Forms and Organs of Government</p> <p>i. Introduction to the Organs of Government</p> <p>ii. Forms of Government</p> <p>a) Monarchy b) Aristocracy c) Dictatorship d) Democracy</p> <p>iii. Main organs of Government</p>	8 hrs	Understand different organs its powers and functions	Flow chart debate	SWBAT describe legislature structure, executive and judicial functioning

and its functions a) General Functions of Legislature as Organ of Government b) General Functions of Executive as Organ of Government c) General Functions of Judiciary as Organ of Government				
Separation of Powers I Concept of Separation of Powers ii. Historical Background and Evolution of Montesquieu’s Doctrine of Separation of Powers iii. Evaluation of The Doctrine of Separation of iv. Separation of Powers In Practice	8	Understand concept of separation of powers	Hierarchy evolution of different thinkers	SWBAT explain meaning, nature and distribution of POWER,
		JULY-AUGUST		
Unit- 2 Basic features of the Constitution of India 1 Salient Features of the Constitution of India i. Meaning , Definition of the	9	Understand concept of Constitution and its growth and development	Write areport on role of Dr.B.R.Ambedkar in formation of Indian constitution	SWBAT Analyze historical background and connect it with recent position.

<p>term Constitution Historical Perspective of the Constitution of India, Salient Features of the Constitution of India</p> <p>ii. Division of Power- Centre- State Relations</p> <p>iii. Law: Key Differences iii. Reasons for Growth, Development and Study of Administrative law</p>				
<p>Unit 3 Jurisprudence, Nature and Sources of Law 1 Jurisprudence, Nature and Meaning Classification of Laws based on Subject matter ,Scope of Law ,Jurisdiction 3 Sources of Law Reform i. Need for Law Reform ii. Law Reforms in India iii. Recent Law Reforms in Independent India 5 Cyber Laws, Safety and Security in India i. Introduction ii. Why do we need Cyber Laws</p>	10	Develop basic understanding of law and its role in society	Group discussion: “Life without laws” PPT on sources of law Concept map	SWBAT explain meaning, nature, and classify laws; relate law to daily life
		October-November		
<p>Unit 4 Judiciary: Constitutional,</p>	14	Understand Indian judiciary and legal		SWBAT describe court structure; explain rule of

<p>Civil and Criminal Courts and Processes Judiciary: Constitutional, Civil and Criminal Courts and Processes ,Supreme Court and High Courts, Constitution, Criminal Investigations and First Information Report (FIR) c) Criminal Process- Investigation and Prosecution d) Doctrine of autrefois acquit and autrefois convict (i.e. previously acquitted and previously convicted) e) Function and Role of Police v. Other Courts In India a) Family Courts b) Administrative Tribunals</p>		<p>framework</p>	<p>video Case study on PIL Poster making</p>	<p>law and judicial functioning</p>
<p>Unit 5 Family Justice System 1 Institutional Framework Marriage and Divorce i. Nature of Family Laws in India ii. Human Rights and Gender Perspective iii. Institutional Framework- Family Courts iv. Role of Women in the creation of Family Courts v. Role of Lawyers and Counselors in</p>	<p>12</p>	<p>Understand family laws and social justice issues. Introduce basics of agreements and legal obligations</p>	<p>Role-play on family disputes Case study method</p>	<p>SWBAT explain legal aid services and significance of PIL</p>

PROJECT GUIDELINES

The project work aims to enable students to:

- Identify a legal problem and provide its remedy
- Select relevant legal sources and conduct research
- Analyze and distinguish between types of cases •

Students can opt for any ONE Project from the three topics given below:

Topic 1: Students can prepare a research project addressing legal issues related to any topic from the textbook

or

around them that needs immediate redressal.

suggested topics- • Uniform Civil Code • Law reforms in India • Juvenile Justice • Death Penalty

RUBRICS FOR ASSESSMENT

1 Preparation and presentation of file 5 marks

2 Research work 5 marks

3 Understanding and application of legal concept 5 marks

4 Viva 5 marks

PEDAGOGICAL PLAN – CLASS XI

(MATHEMATICS)(041)

Book-NCERT TEXTBOOK

Unit/ CHAPTER	Pedagogy and TLM	Activities Integration (with	Assessment	Learning Outcomes and
---------------	------------------	------------------------------	------------	-----------------------

			arts/sports/life skill)		Tools	Competencies	
Complex Numbers	Concept based, Inquiry, NCERT Textbook	NCERT Textbook, lab manual	Argand plane activities, Real-life examples	ART	Worksheet, Quiz	Students will be able to perform operations on complex numbers and interpret them geometrically.	Logical thinking
Sets	Interactive, Venn diagrams	Assignment, lab manual	Venn diagram representation, Group activity	ART	Worksheet, Test	Students will be able to classify sets and perform operations using proper notation.	Critical thinking
Relations and Functions	Concept based, Mapping diagrams	Chart paper ,text book, lab manual	Chart making, Peer discussion	ART	Worksheet, Quiz	Students will be able to identify relations and functions and determine domain and range.	Logical thinking
Trigonometry	Graphical method, Concept based	Text book and assignments, lab manual	Model making, Graph drawing	ART	Test, Assignment	Students will be able to solve trigonometric problems and apply identities.	Problem solving
Permutations & Combinations	Problem solving, Inquiry	Graph paper and assignment, lab manual	Real-life arrangement problems	Daily Life	Worksheet, Quiz	Students will be able to calculate	Critical thinking

						permutations and combinations using formulas.	
Sequences & Series	Concept based, Practice	Assignment, lab manual, Text book	Activity on AP & GP patterns	Daily Life	Test, Assignment	Students will be able to find terms and sums of sequences and series.	Problem solving
Linear Inequalities	Graphical approach, Inquiry	Graphpaper ,text book, lab manual	Graph plotting activities	ART	Worksheet, Quiz	Students will be able to solve and represent linear inequalities graphically.	Critical thinking
Straight Lines	Concept based, Graphical	Chart paper ,text book, lab manual	Equation verification activities	ART	Test, Quiz	Students will be able to find equations of lines and solve related problems.	Problem solving
3D Geometry	Visual learning, Models	Models, assignment, lab manual, Text book	3D model activities	Daily Life	Worksheet, Assignment	Students will be able to solve problems related to three dimensional geometry.	Problem solving
Limits & Derivatives	Concept based, Graphical	Graph paper and assignment, lab manual	Graph interpretation activities	ART	Test, Quiz	Students will be able to evaluate limits and	Problem solving

						understand basic derivatives.	
Statistics	Activity based, Data handling	assignment, lab manual, Text book	Data collection and analysis	ART	Project, Test	Students will be able to calculate mean deviation, variance and standard deviation.	Critical thinking
Probability	Experimental learning	Assignment, lab manual, Text book	Coin/dice experiments	ART	Worksheet, Quiz	Students will be able to calculate probability of simple events.	Critical thinking
Conic Sections	Concept based, Models	chat paper and assignment, lab manual, Text book	Construction of conics	Daily Life	Test, Assignment	Students will be able to identify and solve equations of conic sections.	Problem solving
Binomial Theorem	Concept based, Practice	Text book	Pascal triangle activity	ART	Worksheet, Quiz	Students will be able to expand binomial expressions and find general terms.	Critical thinking

BCM Arya School

Class-XI

Chapters/Topic	Instructional Hours	Curricular Goals/Learning Objectives	Subject enrichment/Activity Art integrated/Project	Learning Outcomes + LIFE SKILL SWBAT
April				
<p>Ch- 1 Some basic Concepts of Chemistry:</p> <ul style="list-style-type: none"> · Classification of matter, · Measurement of physical quantities · Scientific Notations, Significant figures · Dimensional Analysis · Laws of Chemical Combinations · Daltons Atomic Theory · Atomic Mass /Formula mass/Mole Concept · Percentage Composition Emperical Formula 	<p>9 (14 periods)</p>	<p>Students will be able to-</p> <ul style="list-style-type: none"> · identify different types of matter · recognize SI System of measurements for the various · calculations including mass ,weight, volume, density temperature, significant figures · identify and describe laws of chemical combinations interpret and develops relationship between Percentage composition ,and Emperical formula of various compounds 	<p>Students will perform hands on practical in chemistry lab in group of two:</p> <p>Activity- volumetric analysis</p> <p>Exp. 1 - To find molarity and strength of NaOH solution using oxalic acid.</p> <p>Exp. 2 - To find molarity and strength of HCl solution using sodium carbonate solution.</p>	<p>Life Skills: Awareness, understanding Observational Skills, Critical Thinking, Creativity, Decision Making, Logical Thinking,</p>

<p>Ch-2 Structure of Atom:</p> <ul style="list-style-type: none"> ·Discovery of electron/Proton/Neutron ·Atomic Models •Rutherford Model ·Bohr Model ·Dual nature of matter and light ·De-Broglie's dual behavior of matter ·Heisenberg's uncertainty principle ·important features of quantum mechanical model of atom ·Significance of quantum numbers ·Probability density curves and boundary surface diagrams of s, p and d orbitals ·Rules of electron filling in atoms Writing of the electronic configuration of atoms 	<p>10 (16 periods)</p>	<p>After the completion of chapter the student:</p> <ul style="list-style-type: none"> •Understands the experiments leading to discovery of sub atomic particles. •Explains atomic models including Thomson Model, Rutherford Model, and Bohr Model •Explains Dual nature of matter and light. explains de-Broglie's dual behavior of matter and solves numerical problems ·explains Heisenberg's uncertainty principle and solves numerical problems ·summarises the important features of quantum mechanical model of atom ·explains the significance of quantum numbers ·sketches the probability density curves and boundary surface diagrams of s, p and d orbitals explains the rules of electron filling in atoms and writes the electronic configuration of atoms 	<p>Students will be assigned to explain how photoelectric effect is used in fire alarms. Demonstration using videos of absorption and emission spectra.</p>	<p>work sensitivity, empathy</p>
May				
<p>Ch-3 Classification of Elements and periodicity in properties:</p>	<p>5 (8 periods)</p>	<p>students should be able to</p> <ul style="list-style-type: none"> ·Understand how the periodic table is organized and classify 	<p>Quiz based activity related to chapter will be conducted.</p>	<p>Life skill: coordination, , curiosity and thinking</p>

<ul style="list-style-type: none"> · The periodic classification of elements · Mendeleev and Modern periodic table · Classification of the elements into different blocks viz. models and get a detailed idea of their general characteristics · Periodic properties Ionisation enthalpy, Electron gain enthalpy, Electronegativity, ionic and atomic radii and their variations in the given form of the periodic table • Correlation of various elements and their physical properties in the periodic table 		<p>elements by family name, group number, and period number.</p> <ul style="list-style-type: none"> · Explain the pattern of the physical properties of the elements with relationship to period and column. · be able to predict the trends of atomic radius, ionic radius, and ionization energy. · Identify unknown elements based on their properties of atomic radius, malleability, conductivity, and ionization energy. · Recognize the contributions to the organization of the periodic table over time by important scientists. 		
July				
<p>Ch-4 Chemical Bonding and Molecular Structure:</p> <ul style="list-style-type: none"> · Octet rule and its limitations · Covalent bond · Steps to write lewis structure · Formula for formal charge 	10 (16 periods)	<p>By the end of this lesson the students will be able to</p> <ul style="list-style-type: none"> · Understand the different approaches to types of chemical bonding · Explain the rules to write the Lewis structures of simple molecules and the limitations 	Formation of molecular models using Clay and Stick. (Group Activity)	<p>Life skill: coordination, , curiosity and thinking</p>

<p> . Ionic or electrovalent bond . Lattice enthalpy . Bond parameters . Resonating structures . Polarity of bonds . VSEPR theory . Valence bond theory . Types of hybridisation . Molecular orbital theory Hydrogen bonding and its type </p> <p> Ch- 7 Redox Reactions Reaction . Concept of oxidation, reduction, oxidising agent and reducing agent . Oxidation number: Definition, notations and application . Types of redox reactions . Methods for balancing redox reactions . Electrode potential Electrochemical </p>		<p>involved</p> <ul style="list-style-type: none"> . Explain the Bond parameters viz., Bond angle, Bond length, Bond enthalpy and Bond order which would give a complete knowledge of electronic concept of structures of the molecules . Describe the VSEPR theory and its significance in predicting the anomalous change in geometry of molecules due to different kinds of electronic interactions . Give an account of VB theory that predicts the geometry of molecules in terms of the concept of hybridization . Explain the concept of resonance Describe the concept of hydrogen bonding <p>the students will be able to</p> <ul style="list-style-type: none"> . identifies oxidation and reduction . defines the terms, oxidation, . Understanding reduction, oxidizing agent and reducing agent . explains mechanism of redox reaction using electron transfer process 		<p> Life Skills: Awareness, understanding Observational Skills, Critical Thinking, Creativity, Decision Making, Logical Thinking, </p>
---	--	--	--	---

series				
August				
<p>.Ch- 5 Chemical Thermodynamics: Thermodynamic state</p> <p>.Applications</p> <p>.Measurement of internal Energy and Enthalpy: Calorimetry</p> <p>.Enthalpy change of a reaction</p> <p>.Enthalpies of different types of reactions</p> <p>.Spontaneity</p> <p>Gibbs energy change and Equilibrium</p>	<p>12 (18 periods)</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> *define the thermodynamic terms *differentiate between exothermic and endothermic reactions *state laws of thermodynamics <ul style="list-style-type: none"> * state Hess's Law *define enthalpies of formation, combustion, neutralization, atomisation e.t.c. 		<p>Life Skills: Awareness, understanding Observational Skills, Critical Thinking, Creativity, Decision Making, Logical Thinking,</p>
October				

<p>Ch- 6 Equilibrium: Equilibrium in physical and chemical processes</p> <p>Law of chemical equilibrium and Equilibrium constant</p> <p>Homogeneous and Heterogeneous Equilibria</p> <p>Applications of equilibrium constants</p> <p>Relationship between K, Q, G</p> <p>Factors affecting Equilibria</p> <p>Ionic Equilibrium in Solution</p> <p>Acids, bases, salts and Ionization</p> <p>Buffer Solutions</p> <p>Solubility Equilibria of sparingly soluble salts</p>	<p>13 (20 periods)</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> * differentiate between static and dynamic equilibrium * list and explain characteristics of equilibrium state * differentiate between homogeneous and heterogeneous equilibria * State and apply Le Chatelier's principle * define and explain various concepts of acids and bases <ul style="list-style-type: none"> * define conjugate acid-bases pair <p>define pH, buffer solutions and common ion effect</p>	<p>Demonstration of an experiment to show Equilibrium reaction.</p>	<p>Life Skills: Awareness, understanding Observational Skills, Critical Thinking, Creativity, Decision Making, Logical Thinking,</p>
--	--	--	--	---

<p>.Ch- 8 Organic Chemistry: Some basic Principles and Techniques: structural: representation of organic compound .classification of organic compound .isomerism and nomenclature of organic compound .fundamental concepts in organic reaction mechanism .Electron displacement effects in covalent compounds methods of purification of organic compounds (Project based)</p>	<p>9 (14 periods)</p>	<p>Students will be able to *identify hybridization of each carbon in an organic compound *identify sigma and pi bond in a given molecule *represent structural formula in various ways like bond line structure classify organic compound as aliphatic, open chain, straight, branched aromatic, heterocyclic</p>	<p>Salt Analysis from given organic compound</p>	<p>Life Skills: Awareness, understanding Observational Skills, Critical Thinking, Creativity, Decision Making, Logical Thinking,</p>
<p>.Ch- 9 Hydrocarbons: Hydrocarbons nomenclature and</p>	<p>10 (16 periods)</p>	<p>Students will be able to ·name hydrocarbons according to IUPAC name ·identify and write the structures of isomers of alkanes, alkenes, alkynes</p>	<p>To identify saturated and unsaturated compound through chemical test.</p>	<p>Life Skills: Awareness, understanding Observational Skills, Critical Thinking, Creativity, Decision Making, Logical Thinking,</p>

conformation .Preparation and chemical properties of alkanes .Preparation and properties of alkenes .Preparation and properties of alkynes .Aromatic compound - benzene preparation and chemical reactions Carcinogenicity and toxicity		and arenes .understand the preparation of alkanes, alkenes, alkynes and arenes. .differentiate between alkane, alkene and alkyne on the basis of physical and chemical properties. compare reactivity of alkane alkene & alkyne		

SYLLABUS FOR PRE MID TERM EXAMS- CH- 1,2,3

MID TERM EXAMS-Ch-1,2,3,4,7

Final Examination- Vol-1 and Vol-2 (full syllabus)

SKILL Assessment

Pen paper test test + Subject Enrichment+

Project=Viva=total (5+5+5+5=20)

SUBJECT IT

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
APRIL				

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
Employability Skills – Unit 1: Communication Skills (Sessions 1-4) <i>Introduction to Communication, Verbal Communication, Non-verbal Communication, Pronunciation Basics</i>	10	<ol style="list-style-type: none"> 1. Understand meaning and importance of communication. 2. Identify elements of communication cycle. 3. Differentiate between verbal, non-verbal & visual communication. 4. Learn correct pronunciation using phonetics. 	<p>Art Integrated Activity: Role-play on communication process (salesperson & customer) using verbal & non-verbal cues.</p> <p>Project: Chart showing 7Cs of effective communication.</p>	<ol style="list-style-type: none"> 1. Draw and explain communication cycle. 2. Use appropriate verbal & non-verbal communication. 3. Pronounce common English words correctly. 4. Identify communication barriers.
IT (802) – Unit 1: Computer Organization (Session 1: Fundamentals of Computer) <i>Evolution, Characteristics, IPO Cycle, Hardware/Software, Block Diagram</i>	8	<ol style="list-style-type: none"> 1. Define computer and describe evolution. 2. Explain characteristics (speed, accuracy, diligence). 3. Understand IPO cycle. 4. Differentiate hardware & software. 5. Draw block diagram of computer. 	<p>Subject Enrichment: Lab visit to identify hardware components.</p> <p>Art Integrated Activity: Colourful block diagram of computer with labels.</p>	<ol style="list-style-type: none"> 1. List key characteristics of computer. 2. Explain IPO cycle with example. 3. Distinguish hardware & software with examples. 4. Draw block diagram and describe each unit.
MAY				
Employability Skills – Unit 1: Communication Skills (Sessions 5-9) <i>Communication Styles (Assertive,</i>	10	<ol style="list-style-type: none"> 1. Differentiate assertive, aggressive & passive communication. 	<p>Art Integrated Activity: Role-play on assertive communication (saying “no” to</p>	<ol style="list-style-type: none"> 1. Distinguish between assertive, aggressive & passive styles.

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
<i>Aggressive, Passive), Saying No – Refusal Skills, Writing Skills – Parts of Speech, Greetings & Introductions</i>		2. Use AEIOU model to refuse politely. 3. Identify basic parts of speech (nouns, verbs, adjectives). 4. Use formal & informal greetings and introduce oneself.	a friend politely). Project: Write a short paragraph about yourself using correct parts of speech.	2. Refuse requests politely using AEIOU model. 3. Identify nouns, verbs, adjectives in sentences. 4. Greet formally/informally and introduce self.
IT (802) – Unit 1: Computer Organization (Sessions 2-4) <i>Components of a Computer, Operating System, Troubleshooting & Utilities</i>	10	1. Identify internal components (motherboard, RAM, HDD, power supply). 2. Explain functions of operating system. 3. Learn basic troubleshooting for monitor, keyboard, mouse, printer. 4. Use disk cleanup, defragmentation utilities.	Subject Enrichment: Hands-on activity – open a CPU (under supervision) and identify parts. Project: Prepare a troubleshooting guide for common hardware issues.	1. Identify main internal components of CPU. 2. List functions of OS (memory, process, file management). 3. Solve basic hardware problems (no display, keyboard/mouse not working). 4. Perform disk cleanup and defragmentation.
JULY				
Employability Skills – Unit 1: Communication Skills (Sessions 10-14) <i>Talking about Self, Asking Questions,</i>	8	1. Introduce self and fill personal information forms. 2. Frame open-ended &	Art Integrated Activity: Pair work – one student gives directions to a landmark, other draws the route on a map.	1. Fill a form with personal details. 2. Ask open & close-ended questions correctly.

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
<i>Talking about Family, Describing Habits & Routines, Asking for Directions</i>		close-ended questions. 3. Describe family members using possessive adjectives. 4. Talk about daily habits and routines using adverbs of frequency. 5. Ask for and give directions using prepositions.	Project: Write 5-8 sentences describing your family and daily routine.	3. Use possessive adjectives to describe family relations. 4. Describe habits using always, sometimes, never, etc. 5. Give directions using prepositions (near, opposite, next to).
IT (802) – Unit 2: Networking and Internet (Part 1: Computer Networking) <i>Evolution, Network Types (LAN, MAN, WAN), Topologies (Bus, Star, Ring), Network Devices</i>	10	1. Understand evolution of networks and internet. 2. Differentiate between LAN, MAN, WAN. 3. Identify common network topologies (Bus, Star, Ring, Mesh). 4. Explain functions of network devices (repeater, hub, bridge, switch, router).	Subject Enrichment: Draw different network topologies on chart paper. Art Integrated Activity: Create a model of star topology using paper cutouts and threads.	1. Define computer network. 2. Differentiate LAN, MAN, WAN with examples. 3. Draw and label Bus, Star, Ring topologies. 4. State functions of hub, switch, router.
AUGUST				
Employability Skills – Unit 2: Self-management Skills (Sessions 1-4) <i>Strength & Weakness Analysis,</i>	8	1. Identify personal strengths and weaknesses.	Subject Enrichment: SWOT analysis worksheet – list your strengths, weaknesses,	1. Conduct a basic strength & weakness analysis.

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
<i>Grooming, Personal Hygiene, Team Work</i>		<ol style="list-style-type: none"> 2. List grooming standards for professional settings. 3. Explain importance of personal hygiene (handwashing, cleanliness). 4. Understand teamwork and its benefits. 	<p>opportunities, threats.</p> <p>Art Integrated Activity: Poster making on “Good Grooming & Hygiene Habits”.</p>	<ol style="list-style-type: none"> 2. Follow grooming guidelines (neat dress, clean hair, polished shoes). 3. Demonstrate correct handwashing steps. 4. Explain benefits of working in a team.
<p>IT (802) – Unit 2: Networking and Internet (Part 2: Internet, Cyber Threats)</p> <p><i>Internet Services (WWW, Email, FTP), MAC & IP Address, Cyber Threats (Virus, Phishing, DoS), Cyber Security</i></p>	10	<ol style="list-style-type: none"> 1. Explain internet services: WWW, email, FTP, TELNET. 2. Differentiate between MAC address and IP address. 3. Identify common cyber threats (virus, worm, Trojan, phishing, DoS). 4. Learn basic security measures (antivirus, firewall, strong passwords). 	<p>Subject Enrichment: Research and write a report on a recent cyber crime case.</p> <p>Art Integrated Activity: Make a poster on “Safe Internet Practices”.</p>	<ol style="list-style-type: none"> 1. Differentiate Internet vs WWW. 2. Distinguish MAC address (permanent) from IP address (dynamic). 3. List types of malware and phishing attacks. 4. Suggest protective measures (antivirus, firewall, strong passwords).
SEPTEMBER				
<p>Employability Skills – Unit 4: Entrepreneurship Skills (Sessions 1-3)</p> <p><i>Introduction to Entrepreneurship,</i></p>	8	<ol style="list-style-type: none"> 1. Define entrepreneur and entrepreneurship. 2. List values of a 	<p>Subject Enrichment: Interview a local small business owner and note their values.</p>	<ol style="list-style-type: none"> 1. Define entrepreneur with example. 2. List key entrepreneurial

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
<i>Values of an Entrepreneur, Attitude of an Entrepreneur</i>		<p>successful entrepreneur (confidence, independence, perseverance).</p> <p>3. Differentiate between attitude of entrepreneur and employee.</p> <p>4. Identify business activities (manufacturing, trading, services).</p>	<p>Art Integrated Activity: Role-play – one student acts as entrepreneur, another as employee; show differences in attitude.</p>	<p>values.</p> <p>3. Differentiate entrepreneur vs employee attitude.</p> <p>4. Classify businesses into manufacturing, trading, services.</p>
<p>IT (802) – Unit 3: Office Automation Tools – Word Processing (OpenOffice Writer)</p> <p><i>Introduction, Basic Interface, Saving/Opening/Printing, Formatting Text, Spell Check, Lists, Tables, Header/Footer, Tracking Changes</i></p>	12	<ol style="list-style-type: none"> 1. Start OpenOffice Writer and identify interface components. 2. Create, save, open, and print documents. 3. Format text (font, size, bold, italic, alignment). 4. Use spell check, find & replace. 5. Insert bulleted/numbered lists, tables, pictures, shapes. 6. Add header, footer, page numbers. 7. Track changes (record, accept/reject). 	<p>Subject Enrichment: Create a project report on “My School” with title, headings, table of marks, header/footer, and page numbers.</p> <p>Art Integrated Activity: Design a greeting card using shapes, pictures, and formatted text.</p>	<ol style="list-style-type: none"> 1. Navigate LibreOffice Writer interface. 2. Create, save, and print a document. 3. Apply text formatting (bold, italic, alignment). 4. Check spelling and grammar. 5. Insert tables, lists, and images. 6. Add header, footer, and page numbers. 7. Track and accept/reject changes.

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
OCTOBER				
Employability Skills – Unit 5: Green Skills (Sessions 1-2) <i>Sectors of Green Economy, Policies for a Green Economy</i>	6	<ol style="list-style-type: none"> 1. Identify important sectors of green economy (agriculture, energy, construction, forestry, tourism). 2. Explain sustainable development. 3. Describe National Action Plan on Climate Change (NAPCC) and its missions. 4. Understand Green India Mission, National Solar Mission, Swachh Bharat Abhiyan. 	<p>Subject Enrichment: Collect newspaper clippings on green initiatives (solar energy, waste management).</p> <p>Art Integrated Activity: Poster on “My Contribution to a Green Economy” (e.g., planting trees, saving electricity).</p>	<ol style="list-style-type: none"> 1. List at least 5 sectors of green economy. 2. Define sustainable development. 3. Explain two missions under NAPCC (Solar Mission, Green India Mission). 4. State the purpose of Swachh Bharat Abhiyan.
IT (802) – Unit 3: Office Automation Tools – Spreadsheet (OpenOffice Calc) <i>Introduction, Main Window Features, Working with Data, Formatting Cells, Formulas and Functions (SUM, AVERAGE, PRODUCT), Sorting & Filtering, Charts, Macros, Printing</i>	12	<ol style="list-style-type: none"> 1. Start OpenOffice Calc and identify interface components (cells, rows, columns, sheets). 2. Enter, edit, and format data (font, alignment, borders, colors). 3. Use arithmetic operators and formulas. 4. Use built-in functions: SUM, AVERAGE, 	<p>Subject Enrichment: Create a mark sheet for 5 students with subjects, calculate total, average, percentage, and grade using formulas.</p> <p>Art Integrated Activity: Represent the monthly expenditure of your family using a pie chart.</p>	<ol style="list-style-type: none"> 1. Identify Calc window components. 2. Enter and format data in cells. 3. Create formulas using +, -, *, /. 4. Use SUM, AVERAGE, MAX, MIN functions. 5. Sort data in ascending/descending order.

Topic / Chapter / Sub-topic	Instructional Hours	Learning Objectives	Subject Enrichment / Project / Art Integrated Activity	Learning Outcomes
		PRODUCT, MAX, MIN. 5. Sort and filter data. 6. Create different types of charts (column, bar, pie, line). 7. Record and run a simple macro. 8. Print spreadsheets with settings.		6. Apply AutoFilter and Standard Filter. 7. Create column, bar, and pie charts. 8. Record a simple macro (e.g., apply borders). 9. Print selected cells or entire sheet.

SYLLABUS (2025-26)

Class - XI

Name of books - ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ 11

Subject - ਪੰਜਾਬੀ

Month	Topic	No. of periods/ HRS	ACTIVITY	Learning Outcomes
April - May	ਲੋਕ ਗੀਤ – ਸੁਹਾਗਾ 1. ਚੜ੍ਹ ਚੁਬਾਰੇ ਸੁੱਤਿਆ 2. ਬੇਟੀ, ਚੰਨਣ ਦੇ	4:30 mins	ਵਿਦਿਆਰਥੀ ਸੁਹਾਗਾ ਲੈਅ ਬੱਧਤਾ ਨਾਲ ਗਾਉਣਗੇ।	ਲੜਕੀਆਂ ਦੇ ਵਿਆਹ 'ਤੇ ਗਾਏ ਜਾਂ ਵਾਲੇ ਗੀਤਾਂ ਨੂੰ ਸੁਹਾਗਾ ਕਿਹਾ ਜਾਂਦਾ ਹੈ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੱਤੀ ਗਈ। ਸੁਹਾਗਾ ਲੈਅ ਵਿੱਚ ਕਿਵੇਂ ਗਾਏ

	<p>ਓਹਲੇ</p> <p>3. ਦੇਈਂ ਦੇਈਂ ਵੇ ਬਾਬਲਾ</p> <p>4. ਅੱਸੂ ਦਾ ਕਾਜ ਰਚਾ</p> <p>5. ਹਰੀਏ ਨੀ ਰਸ ਭਰੀਏ ਖਜੂਰੇ</p> <p>6. ਨਿਵੇ ਪਹਾੜਾਂ ਤੇ ਪਰਬਤ</p> <p>7. ਸਾਡਾ ਚਿੜੀਆਂ ਦਾ ਚੰਬਾ</p> <p>8. - ਨਿੱਕੀ ਜਿਹੀ ਸੁਈ ਵੱਟਵਾਂ ਧਾਗਾ</p>		<p>ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਸੁਹਾਗ ਗਾਇਨ ਮੁਕਾਬਲਾ ਕਰਵਾਇਆ ਜਾਵੇਗਾ।</p>	<p>ਜਾਂਦੇ ਹਨ ਅਤੇ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਵਿੱਚ ਇਹਨਾਂ ਦਾ ਕੀ ਸਥਾਨ ਹੈ? ਉਸ ਬਾਰੇ ਚਾਨਣਾ ਪਾਇਆ ਗਿਆ।</p> <p>ਵਿਦਿਆਰਥੀ ਸੁਹਾਗ ਨੂੰ ਪੜ੍ਹ ਕੇ ਰਿਸ਼ਤਿਆਂ ਦੀ ਓਹਨਾ ਦੀ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਕੀ ਅਹਿਮੀਅਤ ਹੈ ਉਸ ਬਾਰੇ ਜਾਨਣਗੇ।</p>
May	ਦੰਤ - ਕਥਾ -1. ਪੂਰਨ ਭਗਤ		ਵਿਦਿਆਰਥੀ ਨਾਟ ਸ਼ੈਲੀ ਦੁਆਰਾ ਇਹਨਾਂ ਦੰਤ - ਕਥਾਵਾਂ ਨੂੰ ਸਟੇਜ ਤੇ ਫਿਲਮਾਉਣਗੇ।	ਵਿਦਿਆਰਥੀ ਇਹਨਾਂ ਦੰਤ ਕਥਾਵਾਂ ਨੂੰ ਪੜ੍ਹ ਕੇ ਆਪਣੇ ਹੱਕਾਂ ਪ੍ਰਤੀ ਅਵਾਜ਼ ਨੂੰ ਬੁਲੰਦ ਕਰਨਾ, ਆਤਮਿਕਤਾ ਵਾਲਾ ਜੀਵਨ ਜਿਉਣਾ ਅਤੇ ਗਰੀਬਾਂ ਦੀ ਸਿੱਖਿਆ ਪ੍ਰਾਪਤ ਕਰ ਰਹੇ ਹਨ।
May	ਅਖ਼ਬਾਰਾਂ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ	4:30mins	ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸੰਪਾਦਕ ਬਣਾ ਕੇ ਸੰਪਾਦਕੀ ਕਰਨ ਲਈ ਕਿਹਾ ਗਿਆ	ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੱਤਰ ਲਿਖਣ ਦੀ ਜਾਚ ਕਰਵਾਉਣਾ ਅਤੇ ਆਪਣੀਆਂ ਸਮੱਸਿਆਵਾਂ ਨੂੰ ਸਰਕਾਰ ਤੱਕ ਪਹੁੰਚਾਉਣ
			PRE MID TERM EXAMINATION	
	Skill Assessment		ਸੁਨਣ ਕੈਸ਼ਲ + N/B (5 + 5 = 10)	
July	ਦੰਤ - ਕਥਾ - 2. ਰਾਜਾ ਰਸਾਲੂ		ਵਿਦਿਆਰਥੀ ਨਾਟ ਸ਼ੈਲੀ ਦੁਆਰਾ ਇਹਨਾਂ ਦੰਤ - ਕਥਾਵਾਂ ਨੂੰ ਸਟੇਜ ਤੇ ਫਿਲਮਾਉਣਗੇ।	ਵਿਦਿਆਰਥੀ ਇਹਨਾਂ ਦੰਤ ਕਥਾਵਾਂ ਨੂੰ ਪੜ੍ਹ ਕੇ ਆਪਣੇ ਹੱਕਾਂ ਪ੍ਰਤੀ ਅਵਾਜ਼ ਨੂੰ ਬੁਲੰਦ ਕਰਨਾ, ਆਤਮਿਕਤਾ ਵਾਲਾ ਜੀਵਨ ਜਿਉਣਾ ਅਤੇ ਗਰੀਬਾਂ ਦੀ ਸਿੱਖਿਆ ਪ੍ਰਾਪਤ

	3. ਦੁੱਲਾ ਭੱਟੀ			ਕਰ ਰਹੇ ਹਨ।
July	ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ (ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ)		ਡਾਇਲਾਗ ਰੂਪਾਂਤਰਨ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਅਨੁਵਾਦ ਕਰਨ ਲਈ ਕਿਹਾ ਗਿਆ।	ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਦਫ਼ਤਰੀ ਭਾਸ਼ਾ ਵਿੱਚ ਵਰਤੇ ਜਾਂਦੇ ਸ਼ਬਦਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਹੋ ਗਈ ਹੈ।
August	ਸਿੱਠਣੀਆਂ	3:30 mins	ਸਿੱਠਣੀਆਂ ਨੂੰ ਲੈਅਬੱਧ ਤਰੀਕੇ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਦੁਆਰਾ ਗਾਇਆ ਗਿਆ।	ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਵਿੱਚ ਪੁਰਾਣੇ ਵਿਆਹਾਂ ਵਿੱਚ ਕਿਸ ਤਰ੍ਹਾਂ ਦਾ ਹਾਸੀ ਮਜ਼ਾਕ ਕੀਤਾ ਜਾਂਦਾ ਸੀ ਬਾਰੇ ਜਾਣੂ ਕਰਵਾਇਆ ਗਿਆ।
August	ਬੁਝਾਰਤਾਂ	4:30 mins	ਇਕਾਂਗੀ ਦੇ ਵਿੱਚੋਂ ਕਿਸੇ ਵੀ ਇੱਕ ਪਾਤਰ ਦਾ ਕਿਰਦਾਰ ਅਦਾ ਕਰਨਾ	ਪੁਰਾਣੇ ਸਮਿਆਂ ਵਿੱਚ ਨਾਨੀ ਦਾਦੀ ਦੀ ਗਿਆਨ ਦੀ ਜਾਣਕਾਰੀ
September	ਘੋੜੀਆਂ - 1. ਹਰਿਆ ਨੀ ਮਾਲਣ 2. ਮੈਂ ਬਲਿਹਾਰੀ ਵੇ ਮਾਂ ਡਾ ਸੁਰਜਣਾ 3. ਮੱਥੇ 'ਤੇ ਚਮਕਣ ਵਾਲ 4. ਨਿੱਕੀ - ਨਿੱਕੀ ਬੂੰਦ 5. ਸਤਿਗੁਰਾਂ ਕਾਜ ਸਵਾਰਿਆ ਈ	4:30 mins	ਘੋੜੀਆਂ ਨੂੰ ਗਾਉਣ ਦੇ ਤਰੀਕੇ ਦਾ ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਮੁਕਾਬਲਾ ਕਰਵਾਇਆ ਜਾਵੇਗਾ	ਘੋੜੀਆਂ ਕਿਵੇਂ ਗਈਆਂ ਜਾਂਦੀਆਂ ਹਨ ਅਤੇ ਪ੍ਰਉਣਜਾਬੀ ਸੱਭਿਆਚਾਰ ਵਿੱਚ ਇਹਨਾਂ ਦਾ ਕੀ ਸਥਾਨ ਦੱਸਿਆ ਗਿਆ ਹੈ। ਘੋੜੀਆਂ ਵਿੱਚ ਲੜਕੇ ਦੇ ਦਾਦਕੇ ਪਰਿਵਾਰ ਵਾਲਿਆਂ ਦੀ ਆਪਸ ਵਿੱਚ ਕਿੰਨੀ ਕੁ ਸਾਂਝ ਹੈ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।
October	ਵਿਆਕਰਨ - ਮੁਹਾਵਰੇ	1:30 mins	ਵਿਦਿਆਰਥੀ ਦਿੱਤੇ ਵਾਕਾਂ ਨੂੰ ਸੁੱਧ ਕਰਕੇ ਲਿਖਣਗੇ।	ਵਿਦਿਆਰਥੀ ਸੁੱਧ ਸ਼ਬਦ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋ ਗਏ ਹਨ।

	ਚਿੱਠੀ ਪੱਤਰ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ		ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸੰਪਾਦਕ ਬਣਾ ਕੇ ਸੰਪਾਦਕੀ ਕਰਨ ਲਈ ਕਿਹਾ ਗਿਆ	ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੱਤਰ ਲਿਖਣ ਦੀ ਜਾਚ ਕਰਵਾਉਣਾ ਅਤੇ ਆਪਣੀਆਂ ਸਮੱਸਿਆਵਾਂ ਨੂੰ ਸਰਕਾਰ ਤੱਕ ਪੁਰੰਚਾਉਣ
September			MID TERM EXAMINATION	
November	ਸਿੱਠਣੀਆਂ	3:10 mins	ਪਾਠ ਵਿਚਲੇ ਅੱਥੇ ਸ਼ਬਦ ਲਿਖਣਗੇ	ਰਿਸ਼ਤਿਆਂ ਨੂੰ ਪਿਆਰ ਨਾਲ ਰੱਖਣ ਦੇ ਯੋਗ
November	ਬੋਲੀਆਂ ਅਤੇ ਟੱਪੇ:- ਸਾਡੇ ਪਿੰਡ ਦੇ ਮੁੰਡੇ ਵੇਖ ਲਓ ਪਿੰਡ ਤਾ ਸਾਡੇ ਪਿੰਡਾਂ ਵਿੱਚੋਂ ਪਿੰਡ ਸੁਣੀਂਦਾ ਕਾਲਾ ਹਾਰਨਾ ਸੁਣ ਨੀ ਕੁੜੀਏ ਮਹਿੰਦੀ - ਮਹਿੰਦੀ ਹਰ ਕੋਈ ਕਹਿੰਦਾ ਦੇਸ ਮੇਰੇ ਦੇ ਬਾਂਕੇ ਗੱਭਰੂ ਤਾਰਾਂ - ਤਾਰਾਂ - ਤਾਰਾਂ	2:15 mins	ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਸਿਰਜਣਾਤਮਕ ਸ਼ਕਤੀ ਅਨੁਸਾਰ ਪੱਤਰ ਲਿਖਣਗੇ	ਵਿਦਿਆਰਥੀ ਪੱਤਰ ਲਿਖਣ ਦੇ ਯੋਗ ਹਨ
November	ਲੇਖ ਰਚਨਾ ਵਿਚਾਰ ਪ੍ਰਧਾਨ ਅਤੇ	5:30 mins	ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਬਿਨਾ ਰੁਕਾਵਟ ਲੇਖ ਲਿਖ ਸਕਦੇ ਹਨ	ਵਿਦਿ ਸੰਬੰਧਤ ਵਿਸ਼ੇ ਬਾਰੇ ਜਾਣੂ ਹਨ

	ਆਮ ਵਿਸ਼ੇ (200 ਸ਼ਬਦਾਂ ਵਿੱਚ)			
December			POST MID TERM EXAMINATION	
January	ਪ੍ਰੀਤ ਕਥਾਵਾਂ :- 1. ਹੀਰ - ਰਾਂਝਾ 2. ਮਿਰਜ਼ਾ - ਸਾਹਿਬਾਂ			
February			FINAL TERM EXAMINATION	

BCM ARYA SCHOOL

ACEDMIC PLANNER 2026-27

CLASS-XI

SUBJECT-LEGAL STUDIES

BOOK-legal studies (NCERT)

Topic/chapter/Sub topics	Instructional hours	Learning objectives/ Curriculum goals	Activity/project/ICT/Art integrated	Learning outcomes/Life skills SWBAT
		APRIL-MAY		
Unit-1 Concept of State ix. What is a State? x. ii. The concept of State and Article 12 of the Indian Constitution xi. iii. What is Government?	5	Develop basic understanding of State and its role in society	Group discussion: "Life without State"	SWBAT explain meaning, nature of state, relate theories to daily life

<p>xii. iv. Emergence of the State from Society</p> <p>xiii. v. Definition of State</p> <p>xiv. vi. Theories on the Origin of State</p> <p>xv. vii. Elements of a State</p> <p>xvi. viii. Role of a State</p>				
<p>Forms and Organs of Government</p> <p>i. Introduction to the Organs of Government</p> <p>ii. Forms of Government a) Monarchy b) Aristocracy c) Dictatorship d) Democracy</p> <p>iii. Main organs of Government and its functions a) General Functions of Legislature as Organ of Government b) General Functions of Executive as Organ of Government c) General Functions of Judiciary as Organ of Government</p>	<p>8 hrs</p>	<p>Understand different organs its powers and functions</p>	<p>Flow chart debate</p>	<p>SWBAT describe legislature structure, executive and judicial functioning</p>
<p>Separation of Powers</p> <p>I Concept of Separation of</p>	<p>8</p>	<p>Understand concept of separation of powers</p>	<p>Hierarchy evolution of different thinkers</p>	<p>SWBAT explain meaning, nature and distribution of POWER,</p>

<p>Powers</p> <p>ii. Historical Background and Evolution of Montesquieu's Doctrine of Separation of Powers</p> <p>iii. Evaluation of The Doctrine of Separation of</p> <p>iv. Separation of Powers In Practice</p>				
		JULY-AUGUST		
<p>Unit- 2</p> <p>Basic features of the Constitution of India</p> <p>1 Salient Features of the Constitution of India</p> <p>iv. Meaning , Definition of the term Constitution Historical Perspective of the Constitution of India, Salient Features of the Constitution of India</p> <p>v. Division of Power- Centre- State Relations</p> <p>vi. Law: Key Differences iii. Reasons for Growth, Development and Study of</p>	9	Understand concept of Constitution and its growth and development	Write areport on role of Dr.B.R.Ambedkar in formation of Indian constitution	SWBAT Analyze historical background and connect it with recent position.

Administrative law				
<p>Unit 3 Jurisprudence, Nature and Sources of Law 1 Jurisprudence, Nature and Meaning Classification of Laws based on Subject matter ,Scope of Law ,Jurisdiction 3 Sources of Law Reform i. Need for Law Reform ii. Law Reforms in India iii. Recent Law Reforms in Independent India 5 Cyber Laws, Safety and Security in India i. Introduction ii. Why do we need Cyber Laws</p>	10	Develop basic understanding of law and its role in society	Group discussion: “Life without laws” PPT on sources of law Concept map	SWBAT explain meaning, nature, and classify laws; relate law to daily life
		October-November		
<p>Unit 4 Judiciary: Constitutional, Civil and Criminal Courts and Processes Judiciary: Constitutional, Civil and Criminal Courts and Processes ,Supreme Court and High Courts, Constitution, Criminal Investigations and First Information Report (FIR) c) Criminal Process- Investigation and Prosecution d) Doctrine of autrefois acquit and</p>	14	Understand Indian judiciary and legal framework	video Case study on PIL Poster making	SWBAT describe court structure; explain rule of law and judicial functioning

<p>autrefois convict (i.e. previously acquitted and previously convicted) e) Function and Role of Police v. Other Courts In India a) Family Courts b) Administrative Tribunals</p>				
<p>Unit 5 Family Justice System 1 Institutional Framework Marriage and Divorce i. Nature of Family Laws in India ii. Human Rights and Gender Perspective iii. Institutional Framework- Family Courts iv. Role of Women in the creation of Family Courts v. Role of Lawyers and Counselors in Family Courts vi. Role of Counselors and Gender Issues vii. Marriage and Divorce 2 Child Rights i. Child Rights ii. Right to Education iii. Right to Health iv. Right to Shelter v. Child Labour vi. Sexual Abuse vii. Juvenile Justice 3 Adoption i. Adoption ii. Minor custody and Guardianship 4 Property, Succession and</p>	<p>12</p>	<p>Understand family laws and social justice issues. Introduce basics of agreements and legal obligations</p>	<p>Role-play on family disputes Case study method</p>	<p>SWBAT explain legal aid services and significance of PIL</p>

<p>Inheritance i. Concept of Property: Joint Family Property and Separate Property ii. Inheritance and Succession iii. Intestate Succession iv. Rules relating to Intestate Succession v. Testamentary Succession</p> <p>5 Prevention of Violence against Women i. What is Domestic abuse / violence? ii. International Legal Framework iii. III. Laws in India on Prevention of Violence against Women</p>				

PROJECT GUIDELINES

The project work aims to enable students to:

- Identify a legal problem and provide its remedy
- Select relevant legal sources and conduct research
- Analyze and distinguish between types of cases •

Students can opt for any ONE Project from the three topics given below:

Topic 1: Students can prepare a research project addressing legal issues related to any topic from the textbook

or

around them that needs immediate redressal.

suggested topics- • Uniform Civil Code • Law reforms in India • Juvenile Justice • Death Penalty

RUBRICS FOR ASSESSMENT

1 Preparation and presentation of file 5 marks

2 Research work 5 marks

3 Understanding and application of legal concept 5 marks

4 Viva 5 marks

Total 20 marks

ACADEMIC PLANNER

Class: XI

Subject: Physical Education

APRIL

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES / CURRICULUM GOALS	SUB. ENRICHMENT / PROJECTS / ART INTEGRATED ACTIVITY	LEARNING OUTCOME
Unit 1: Changing Trends and Career in Physical Education	Concept, Aims & Objectives of Physical Education	2	Understand meaning and importance of physical education	Discussion on role of sports	Students explain aims and objectives
	Development of Physical Education in India	2	Learn about development after independence	Timeline activity	Students describe development of PE
	Changing Trends in Sports	2	Awareness of modern sports equipment and surfaces	Presentation activity	Students identify modern trends
	Career Options in	2	Knowledge about career	Career chart making	Students list career

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES / CURRICULUM GOALS	SUB. ENRICHMENT / PROJECTS / ART INTEGRATED ACTIVITY	LEARNING OUTCOME
	Physical Education		opportunities		options
	Khelo India & Fit India Program	1	Awareness about national fitness programs	Poster making	Students explain importance of fitness initiatives

MAY

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES / CURRICULUM GOALS	SUB. ENRICHMENT / PROJECTS	LEARNING OUTCOME
Unit 2: Olympic Value Education	Olympism and Olympic Values	2	Understand Olympic ideals	Discussion	Students explain Olympic values
	Joy of Effort, Fair Play, Respect	2	Develop sportsmanship qualities	Role play	Students show fair play
	Ancient & Modern Olympics	2	Knowledge of Olympic history	Chart making	Students differentiate Olympics
	Olympic Symbols, Motto, Flag	2	Learn Olympic symbols	Drawing activity	Students explain symbols
	Olympic Movement Structure	1	Knowledge about IOC, NOC	Research activity	Students identify organizations

JULY

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES	SUB. ENRICHMENT	LEARNING OUTCOME
Unit 3: Yoga	Meaning & Importance of Yoga	2	Understand benefits of yoga	Yoga demonstration	Students explain benefits
	Introduction to Ashtanga Yoga	2	Knowledge of eight limbs	Chart activity	Students list limbs
	Yogic Kriyas	2	Awareness of cleansing techniques	Video demonstration	Students describe kriyas
	Pranayama and its Types	2	Learn breathing techniques	Practical practice	Students perform pranayama

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES	SUB. ENRICHMENT	LEARNING OUTCOME
	Yoga for Stress Management	1	Understand stress control	Meditation practice	Students manage stress

AUGUST

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES	SUB. ENRICHMENT	LEARNING OUTCOME
Unit 4: Physical Education and Sports for Children with Special Needs	Concept of Disability & Disorder	2	Understand disabilities	Discussion	Students define disability
	Types of Disability	2	Learn causes and types	Case study	Students classify disabilities
	Disability Etiquettes	1	Learn respectful behaviour	Role play	Students demonstrate etiquette
	Adaptive Physical Education	2	Knowledge of modified activities	Activity demonstration	Students explain adaptive PE
	Role of Professionals	1	Awareness about support professionals	Research activity	Students identify roles

OCTOBER

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES	SUB. ENRICHMENT	LEARNING OUTCOME
Unit 5: Physical Fitness, Health and Wellness	Meaning & Importance	2	Understand health and wellness	Discussion	Students explain concepts
	Components of Wellness	2	Identify wellness dimensions	Chart making	Students explain components
	Traditional & Regional Games	2	Promote indigenous games	Demonstration	Students identify games
	Leadership through Sports	2	Develop leadership qualities	Group activity	Students show teamwork
	First Aid – PRICE	1	Learn injury	First aid	Students apply PRICE

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES	SUB. ENRICHMENT	LEARNING OUTCOME
-----------------	-----------	---------------------	---------------------	-----------------	------------------

management

demonstration

NOVEMBER

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES	SUB. ENRICHMENT	LEARNING OUTCOME
Unit 6: Test, Measurement and Evaluation	Define Test, Measurement & Evaluation	2	Understand concepts	Discussion	Students differentiate terms
	Importance in Sports	2	Understand role in sports	Examples	Students explain importance
	Classification of Tests	2	Learn types of tests	Practical testing	Students classify tests
	BMI, Waist-Hip Ratio	2	Learn body composition tests	Measurement activity	Students calculate BMI

JANUARY

TOPIC / CHAPTER	SUB TOPIC	INSTRUCTIONAL HOURS	LEARNING OBJECTIVES	SUB. ENRICHMENT	LEARNING OUTCOME
Unit 7, 8, 9 & 10 (Revision and Completion)	Anatomy & Physiology	2	Understand body systems	Diagram study	Students explain systems
	Kinesiology & Biomechanics	2	Learn body movement principles	Demonstration	Students identify movements
	Psychology in Sports	2	Understand mental aspects of sports	Discussion	Students explain psychological factors
	Training & Doping in Sports	2	Awareness of training methods and doping	Awareness activity	Students explain dangers of doping
	Revision & Assessment	2	Reinforce concepts	Test / quiz	Students demonstrate learning

