

BGS INTERNATIONAL PUBLIC SCHOOL

SECTOR 5, DWARKA, NEW DELHI

CURRICULUM

SUBJECT : ENGLISH

SESSION: 2024-25

TEXT BOOK: HORNBILL, SNAPSHOTS, GRAMMAR , WRITING SKILLS

CLASS-XI

WRITING –SKILLS AND ASL.

TEACHERS NAME: AMRITA

MONTH (Term 1)	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	<ul style="list-style-type: none">● The Portrait of a Lady.● A Photograph	<ul style="list-style-type: none">● To appreciate and comprehend the theme of the literary piece.● To appreciate and comprehend the theme of the literary piece.	<ul style="list-style-type: none">● Lesson shall be read by the students and then explained in detail. All difficult word meanings shall be explained.● The poem shall be recited and then explained in detail. All difficult word meanings will be explained	<ul style="list-style-type: none">● All four language skills- Reading, listening, speaking and writing will be developed.● The students will be able to accept and learn to handle the fact that the world is changing every moment.	<ul style="list-style-type: none">● Text-based writing and class interaction● Discussion of Figures of speech and answering the extracts of the poem

<p>MAY</p>	<ul style="list-style-type: none"> ● Poster Making ● Grammar-Determiners. ● Unseen passages (factual, descriptive or literary/ discursive /persuasive/) 	<ul style="list-style-type: none"> ● Enabling the students to develop the art of drawing posters and enhance creativity and imagination. ● To develop Proficiency in the use of language skills necessary for academic purpose. ● Preparing the students to enter the world of work. ● To delve deeper into the usage of language. 	<ul style="list-style-type: none"> ● Format will be given and students shall practice different types of Posters. ● Printed notes will be given. 	<ul style="list-style-type: none"> ● To identify and read different types of Posters. ● Correct grammatical skills will be developed 	<ul style="list-style-type: none"> ● Practice of different types of Posters. ● Grammar worksheets and practice will be given.
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<p>JULY</p>	<p>PERIODIC TEST I</p> <ul style="list-style-type: none"> ● The Laburnum Top ● The Summer Of the Beautiful White Horse 	<ul style="list-style-type: none"> ● Appreciate great works of poets and enhance their creativity ● To appreciate and comprehend the theme of the literary piece. ● To appreciate literature and enhance creativity and imagination. 	<ul style="list-style-type: none"> ● The poem shall be recited and then explained in detail. All difficult word meanings will be explained. ● Lesson shall be read and all difficult word meanings shall be explained. ● Printed notes will be given. ● Practice of MCQ type of questions 	<ul style="list-style-type: none"> ● Motherly love, which is universal, shall be understood through the poem. ● All four language skills- Reading, listening, speaking and writing will be developed. 	<ul style="list-style-type: none"> ● Class interaction and Text-based writing. ● ● ● Discussion of Figures of speech and answering the extracts of the passages.
<p>AUGUST</p>	<ul style="list-style-type: none"> ● “We’re Not Afraid to Die... if We Can All Be Together” ● Discovering Tut 	<ul style="list-style-type: none"> ● Explore and evaluate features of character, plot, setting etc. ● Personally respond to the literary text. ● To develop confidence and 	<ul style="list-style-type: none"> ● Lesson shall be read by the students and then explained in detail. All difficult word meanings shall be explained. ● Question Answers and RTC will be done.. 	<ul style="list-style-type: none"> ● All four language skills- Reading, listening, speaking and writing will be developed. ● Chapter shall be well comprehended by the students. 	<ul style="list-style-type: none"> ● Class interaction and Text-based writing. ● Students will be motivated to speak on different topics. ● Grammar worksheets and practice from Smart-board. ● Different types of letters will be practiced.

	<ul style="list-style-type: none"> • The Address • The Adventure • Father to son • Grammar-Tenses 	<p>proficiency in the use of language.</p> <ul style="list-style-type: none"> • To appreciate literature and enhance creativity and imagination. • To appreciate and comprehend the theme of the literary piece. 	<ul style="list-style-type: none"> • Practice of MCQ type of questions 	<ul style="list-style-type: none"> • Confidence and proficiency in the use of language will be developed. 	
SEPTEMBER	<ul style="list-style-type: none"> • MIDTERMS • Discovering Tut • Tale of melon city • Speech writing • Grammar- Reordering of sentences • Transformation of Sentence 	<ul style="list-style-type: none"> • Understanding the author's attitude and bias. • To be able to understand what is said and what is implied. • To develop knowledge required in order to engage in independent activity. • Rules will be learnt and effective use of language to be practiced. 	<ul style="list-style-type: none"> • All difficult word meanings shall be explained. • Explanation in detail and reading the chapter. • Students will be able to identify the central point and supporting details of the chapter • Rules will be given and exercises will be practiced 	<ul style="list-style-type: none"> • All four language skills- Reading, listening, speaking and writing will be developed. • Chapter shall explain some spiritual aspects of human life. • Confidence and proficiency in the use of language shall be developed. • Correct grammatical skills will be developed 	<ul style="list-style-type: none"> • Writing in response to questions. • Respond to lectures Class interaction and Text-based writing. • Some latest topic will be given for practice in the class. • Grammar worksheets and practice from Smart-board.

OCTOBER	<ul style="list-style-type: none"> ● Unseen passage for Note Making and Summarising ● The Voice of the Rain ● Childhood (Poem) ● Silk Road (Prose) ● Long Writing Tasks- Debate 	<ul style="list-style-type: none"> ● Rules will be learnt and effective use of language to be practiced. ● Identify elements of style such as humour, pathos satire, irony etc. ● To appreciate and comprehend the theme of the literary piece ● To build communicative competence with other people and clients. 	<ul style="list-style-type: none"> ● Explanation in detail and reading the chapter. ● All difficult word meanings shall be explained. Lesson shall be read by the students and then explained. ● Rules will be given and exercises will be practiced 	<ul style="list-style-type: none"> ● Students will be able to identify the central point and supporting details of the chapter. Class interaction and Text-based writing. ● Class interaction and Text-based writing. ● Grammar worksheets and practice from Smart-board. 	<ul style="list-style-type: none"> ● Chapter shall be well comprehended by the students. ● Students will understand the concept of generation-gap very well. ● Usage of language will be learnt in a scientific and innovative way

NOVEMBER	<ul style="list-style-type: none"> ● REVISION FOR PT II ● ASL EXAM ● Mother's Day (Play) ● Birth (Prose ● Short Writing Tasks -Posters ● Long Writing Tasks-Speech and Debates will be revised again 	<ul style="list-style-type: none"> ● Understand and appreciate the oral, mobile and visual elements of Drama. ● Identify elements of style such as humour, pathos satire, irony etc. ● Appreciate great works of poets and enhance their creativity. ● Rules will be learnt and effective use of language to be practiced. 	<ul style="list-style-type: none"> ● Lesson shall be read by the students and then explained in detail. All difficult word meanings shall be explained. ● Students will be motivated for role play based on chapter. ● Value points will be given and exercises will be practiced 	<ul style="list-style-type: none"> ● Students will be able to identify the central point and supporting details of the play. ● Pupils will comprehend the text well. ● Students will be motivated to write on different topics. 	<ul style="list-style-type: none"> ● Class interaction and Text-based writing. ● Respond to lectures, Class interaction and Text-based writing. ● Practice of different types of posters
DECEMBER	PERIODIC TEST II				
JANUARY	REVISION FOR FINAL EXAMINATION				
FEBRUARY	REVISION FOR FINAL EXAMINATION				
MARCH	FINAL EXAMINATION				

BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR 5, DWARKA, NEW DELHI -75
CURRICULUM

SUBJECT : PHYSICS

CLASS XI

TEXT BOOK: NCERT

SESSION :2024-25

TEACHERS NAME: Mr. Shailendra

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES
April	<p>Physical world and measurement Nature of physical laws, physics & technology. Unit of measurement, system of units, fundamental & derived units, errors in measurement & significant figure</p>	<p>To make students understand the basic concepts of forces in nature, contribution of physics towards other subjects as well as society. How to measure and compare two physical quantities, importance of dimensional formulas</p>	<p>Lecture cum discussion method with practice problems.</p>	<p>Students should be able to understand the scope of physics, contribution of physics towards other subjects & society. Students would be able to measure small distances using calipers and screw gauge. They would be able to analyze a physical quantity dimensionally.</p>
	<p>Kinematics <u>Motion in straight line</u>:- position-time graph, velocity-time graph. Simple concepts of differentiation and integration for describing motion.(graphical treatment)</p>	<p>To make the students understand the distance covered by object in motion in different situations to inculcate the importance of vector in physics</p>	<p>Lecture cum discussion method with practice problem.</p>	<p>Students would be able to understand different types of motion. How to solve a problem vectorially. Importance of projectile motion in daily life.</p>

MAY	<p><u>Motion in plane</u>:- scalar vector, addition, subtraction & multiplication of vectors, projectile motion & uniform circular motion</p> <p>Laws of motion Concept of inertia force, momentum, impulse, newton's law of motion. Conservation of momentum. Equilibrium of concurrent motion, velocity of vehicle on level road and banked road.</p>	To aware the students with phenomenon based on inertia, momentum, impulse and friction in daily life.	Lecture discussion with problem practice.	Students would be able to understand the force, momentum, friction and their applications in daily life.
JULY	<p>Work energy & power Work done by a constant & variable force. Energy, work energy theorem. P.E. of spring, conservative & non-conservative forces. Elastic & in elastic collision in 1 and 2 dimension.</p> <p>PERIODIC TEST -1</p>	<p>To make students understand the concept of work and energy.</p> <p>To make the students understand the importance and applications of rotational motion in daily life.</p>	<p>Lecture cum discussion method with problem practice.</p> <p>Lecture cum discussion method with problem practice.</p>	Students would be able to understand different types of collisions, conservation of energy.
AUGUST	<p>Motion of system of particles and rigid body Centre of mass of two particle system, momentum conversation, moment of force, torque, angular momentum & its application.</p>	To make the students understand the importance and applications of rotational motion in daily life.	Lecture cum discussion method with problem practice.	Students would be able to understand the center of mass & center of gravity, torque, angular momentum and their applications in daily life.

	<p>Motion of system of particles and rigid body (contd.) Equilibrium of rigid of rigid bodies. Equations of rotational motion & its comparison with linear</p>			
SEPTEMBER	<p>Gravitation</p> <ul style="list-style-type: none"> — Kepler's laws of planetary motion — Universal law of gravitation — Variation of 'g' with height and depth gravitational potential energy & potential energy, orbital & escape velocity of satellite <p>MID TERM EXAMINATION</p>	To make the students understand the basic concept of gravity and gravitation.	Lecture cum discussion method with problem practice.	Students would be able to understand the gravitational force variation of g with height and depth. They would be able to know the different types of satellites and their functions.
OCTOBER	<p>Mechanical properties of solids & fluids Elasticity, stress, strain relationship Hook's law, modulus of Elasticity, pressure due to a fluid column, Pascal's law and its applications, hydraulic lift and hydraulic brake, effect of gravity on fluid pressure.</p> <p>Mechanical properties of solids and Viscosity Stokes law, terminal velocity and turbulent velocity, Reynold's number, Bernoulli's theorem and its applications</p>	To make the students understand the different properties of solids and liquids.	Lecture cum discussion method with problem practice.	Students would be able to understand the gravitational force variation of g with height and depth. They would be able to know the different types of satellites and their functions.
NOVEMBER	<p>Surface tension Surface tension and surface energy angle of contact & excess</p>	To make the students understand the	Lecture cum discussion method with problem	They would be able to explain the thermal properties of water and thermodynamics.

	<p>pressure, in side drop & air bubble ascent formula.</p> <p>Thermal properties of matter Heat & temp, thermal expansion, specific heat, latent heat principle of calorimetry, conduction of heat.</p> <p>Thermodynamics Thermal equilibrium zeroth law, 1st and 2nd law of thermodynamics. Thermodynamic processes, reversible & irreversible process, Carnot's engine</p> <p>Behavior of perfect gas and kinetic theory of gas Equation of state for perfect gas, kinetic theory of gas, degree of freedom, laws of equipartition of energy (statement only), mean free path.</p>	different properties of solids and liquids.	practice.	
DECEMBER	<p>Oscillations and waves Periodic motions SHM & characteristic of SHM. Energy in SHM. Motion of loaded spring free, forced & damped oscillations, resonance, wave motion, speed of wave motion progressive wave superposition, waves stationary waves beats, organ pipes, fundamental modes of harmonics, Doppler's effect.</p>	To make the students understand the behavior of perfect gas.	Lecture cum discussion method with problem practice.	Students would be able to understand the behavior of perfect gas.

	PERIODIC TEST - II			
JANUARY	REVISION			
FEBRUARY	FINAL TERM EXAMINATION			

TEACHER

**BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR 5, DWARKA, NEW DELHI -75
CURRICULUM**

SUBJECT: CHEMISTRY

TEXT BOOK: NCERT

TEACHERS NAME: Ms. MEETALI SINGHAL

CLASS XI

SESSION: 2024-25

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES /PRACTICALS
APRIL	<p>1. Some Basic Concepts of Chemistry Importance & scope, laws of chemical combination, Dalton's atomic theory, elements, atoms & molecules, atomic & molecular masses, mole concept and molar mass, % composition, empirical & molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.</p>	To make students understand basic concepts involved in physical chemistry.	1. Discussion method 2. Chalk n Talk 3. Lecture demonstration 4. Problem solving	Students would be able to explain the concepts and solve the numerical based on them.	Preparation of standard solutions of Oxalic acid and Sodium carbonate
	<p>2. Structure of Atom Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle,</p>	To make students understand basics of structure of atom.	1. Discussion method 2. Chalk n talk 3. Lecture demonstration 4. Problem solving	Students would be able to explain the concepts and solve the numerical based on them.	Determination of melting and Boiling point of organic compounds

	concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.				
MAY	3. Classification of Elements and Periodicity in Properties Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements - atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100.	To discuss the trends in periodic properties.	1. Lecture method 2. Chalk n Talk 3. Discussion method 4. Assignment	Students would be able to explain the trends in periodic properties and the reasons for them.	Determination of strength of given NaOH solution with help of standard oxalic acid solution
JULY	PERIODIC TEST I				
JULY	4. Chemical Bonding and Molecular Structure Valence electrons, ionic bond, covalent bond, bond parameters, Lewis's structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of	To explain the basics involved in structure of chemical compounds.	1. Lecture method 2 Chalk n Talk 3. Discussion method 4. Problem solving	Students would be able to explain structures of different compounds.	Determination of strength of given HCl solution with help of standard Na ₂ CO ₃ solution

	hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), Hydrogen bond.				
AUGUST	5. Organic Chemistry: Some Basic Principles and Techniques General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.	To make students learn the basics of organic chemistry.	1. Discussion method 2. Chalk n Talk 3. Flow Chart preparation 4. Problem solving	Students would be able to name organic compounds and explain other concepts.	Salt analysis
SEPTEMBER	MID TERM				
SEPTEMBER	6. Redox Reactions Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.	To make students understand the concepts of redox reactions.	1. Discussion method 2. Chalk n Talk 3. Flow Chart preparation 4. Problem solving 5. Printed worksheets	Students would be able to explain different concepts, calculate oxidation no. and balance redox reactions.	Salt analysis

OCTOBER	<p>7. Chemical Thermodynamics Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of ΔU and ΔH, Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction) Introduction of entropy as a state function, Gibb's energy change for spontaneous and non- spontaneous processes, criteria for equilibrium. Third law of thermodynamics (brief introduction).</p> <p>8. Equilibrium Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting</p>	<p>To make students learn the basics of thermodynamics.</p> <p>To make students understand different theories and concepts in</p>	<p>1. Discussion method 2. Printed notes 3. Chalk n Talk 4. Problem solving</p> <p>1. Discussion method 2. Chalk n Talk</p>	<p>Students would be able to explain different concepts</p> <p>Students would be able to explain different theories and apply them. They will be able to solve</p>	<p>Salt analysis</p>

	<p>equilibrium - Le Chatelier's principle, ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea), buffer solution, Henderson Equation, solubility product, common ion effect (with illustrative examples).</p>	<p>chemical equilibrium.</p>	<p>3. Lecture demonstration method 4. Problem solving</p>	<p>numericals based on them.</p>	
<p>NOVEMBER</p>	<p>9. Hydrocarbons Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis. Alkenes - Nomenclature, the structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition. Alkynes - Nomenclature, the structure of triple bond (ethyne), physical properties, methods of preparation,</p>	<p>To make students learn about organic compounds.</p>	<p>1. Discussion method 2. Problem solving 3. Chalk n Talk 4. Lecture method</p>	<p>Students would be able to write the chemical equations on their own.</p>	<p>Salt analysis</p>

	<p>chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water.</p> <p>Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of the functional group in monosubstituted benzene. Carcinogenicity and toxicity.</p>				
DECEMBER	PERIODIC TEST II				
DECEMBER	REVISION FOR FINAL EXAMINATION				
JANUARY	REVISION FOR FINAL EXAMINATION				
FEBRUARY	REVISION FOR FINAL EXAMINATION				
MARCH	FINAL EXAMINATION				

BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR 5, DWARKA ,NEW DELHI
CURRICULUM

SUBJECT : BIOLOGY
TEXT BOOK : NCERT
TEACHER : Ms. CHITRA CHAKRAVARTY

SESSION : 2024-25
CLASS : XI

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	UNIT I DIVERSITY IN THE LIVING WORLD 1.THE LIVING WORLD	<ul style="list-style-type: none"> To develop knowledge skills that would enable the students understand the concept of living classification, taxa, nomenclature and other taxonomic categories and taxonomic aids. 	Lecture, Discussion Demonstration Problem solving and Multimedia	<p><u>After completing the First unit, children will be able to:</u></p> <ul style="list-style-type: none"> Understand the basis of classification and its application Prepare a herbarium 	<ul style="list-style-type: none"> Study of the different parts of a compound microscope.
	2.BIOLOGICAL CLASSIFICATION	<ul style="list-style-type: none"> Enable them to understand the characteristics of five kingdom classification, and two kingdom classification, detailed study of various kingdoms. 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> Become familiar with basis of classification and its various attributes. Prepare a chart showing diversity in organisms. 	<ul style="list-style-type: none"> Study of the specimens/slides/models and identification with reasons- Bacteria.Oscillatoria,Spirogyra,Rhizopus,mushroom, yeast,lichen etc
	3.PLANT KINGDOM	<ul style="list-style-type: none"> To acquaint them with Thallophyta Bryophyta,Pteridophyta,Gymnosperms and their characteristics. 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> Discuss the structure of various lower plants, their evolution with respect to modern day plants. Prepare a chart work on contrasting features of Thallophyta Bryophyta and Pteridophyta 	<ul style="list-style-type: none"> Study of the specimens/slides/models and identification with reasons- liverwort.moss.fern,pine,one monocotyledonous plant,one dicotyledonous plant.

MAY	4.ANIMAL KINGDOM	<ul style="list-style-type: none"> To familiarise the learners with the study of various organisms on various basis categorisation of chordates and non chordates their structure and appearance and occurrence. 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> Differentiate the contrasting features of various phylum and their comparative study Exhibit the various contrasting features of various organisms on the basis of specimens given 	<ul style="list-style-type: none"> Study of the specimens/slides/models and identification with reasons- Amoeba,hydra,liverfluke,ascaris,leech,earthworm,prawn,silkworm,honeybee,snail,starfish,shark rohu,frog,lizard,pigeon and rabbit.
JULY	PERIODIC TEST I				
JULY	UNIT II STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS 5.MORPHOLOGY OF FLOWERING PLANTS	<ul style="list-style-type: none"> To study the various morphological aspects of plants. To help them to study root,shoot,leaves,their region,modifications and uses. Parts of flower,floral formula, structure of seed. 	Lecture, Discussion, Interaction and Multimedia	<u>After completing the unit, children will be able to:</u> <ul style="list-style-type: none"> Learn various parts of a plant and their importance and modifications 	<ul style="list-style-type: none"> Sudy and identification of different types of inflorescence (cymose and racemose) Study and description of locally available common flowering plants,one from the Family Solanaceae.
	6.ANATOMY OF FLOWERING PLANTS	<ul style="list-style-type: none"> To emphasize the structure of various types of tissues,concept of simple and permanent tissues,various tissue system,Anatomy of dicot and monocot root,stem and leaf in plants 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> Understand and differentiate the various tissues along with their role. Explain the differences between monocot and dicot root and stem. 	<ul style="list-style-type: none"> Preparation and study of T.S. of dicot and monocot roots and stem (primary)

	7.STRUCTURAL ORGANISATION IN ANIMALS	<ul style="list-style-type: none"> • Various types of animal tissues and their structure,anatomy of frog 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> • To make a project on animal tissues. • Prepare a chart on contrasting features of different phyla • Differentiate between invertebrates and Vertebrates 	
AUGUST	UNIT III CELL: STRUCTURE AND FUNCTIONS	<ul style="list-style-type: none"> • To make the students learn the introduction of cell, its discovery, and its various cell organelles, the roles of various cell organelle,and cell theory. 	Lecture, Discussion, Interaction and Multimedia	<u>After completing the unit, children will be able to:</u> <ul style="list-style-type: none"> • Learn various cell organelles and their role • Explain the Fluid mosaic model of plasma membrane 	<ul style="list-style-type: none"> • Study of osmosis by potato osmometer • Study of plasmolysis in epidermal peels (e.g. Rhoeo leaves)
	8.CELL: THE UNIT OF LIVING				
	9.BIOMOLECULES	<ul style="list-style-type: none"> • To acquaint them with the macro and micro molecules,structure of carbohydrates,proteins, fats and nucleic acids,concept of enzyme action 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> • Learn all the important components of the cell • Demonstrate the various structure of carbohydrates, proteins fats and nucleic acids etc. 	Test for the presence of sugar,starch,proteins and fats.Detection in suitable plant and animal materials.
	10.CELL CYCLE AND CELL DIVISION	To make them understand various phases of cell cycle,phases of cell division,mitosis and meiosis	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> • Understand the importance of various phases of cell division. • Show the various phases of mitosis and meiosis. 	Study of mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides.

SEPTEMBER	MID TERM				
SEPTEMBER- OCTOBER	<p>UNIT IV PLANT PHYSIOLOGY</p> <p>13.PHOTOSYNTHESIS IN HIGHER PLANTS</p> <p>14.RESPIRATION IN PLANTS</p> <p>15.PLANT GROWTH AND DEVELOPMENT</p>	<ul style="list-style-type: none"> To develop scientific approach towards Photosynthesis and its role, concept of light and dark reactions, glycolysis, Krebs's cycle, factors affecting photosynthesis <p>To make them understand Glycolysis, fermentation, differences between aerobic and anaerobic respiration, electron transport chain.</p> <p>To develop and promote the knowledge of Growth and phases of growth, various growth model, conditions for growth, plant hormones and their uses.</p>	<p>Lecture, Discussion, Interaction and Multimedia</p> <p>Lecture, Discussion, Interaction and Multimedia</p> <p>Lecture, Discussion, Interaction and Multimedia</p>	<p><u>After completing the unit, children will be able to:</u></p> <ul style="list-style-type: none"> Explain the concept photosynthesis and its applications. Understand the differences between light and dark reaction. Learn Respiration and its uses in various attributes. Describe events occurring in glycolysis and Krebs cycle. <p>Lecture, Discussion, Interaction and Multimedia</p>	<ul style="list-style-type: none"> Separation of plant pigments through paper chromatography. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds. Comparative study of the rates of transpiration in the upper and lower surface of leaves. Study of distribution of Stomata on the upper and lower surfaces of the leaf.

NOVEMBER	UNIT V HUMAN PHYSIOLOGY				
	17.BREATHING AND EXCHANGE OF GASES	To describe Human respiratory system,mechanism of breathing,respiratory volumes and capacities,exchange of gases,transport of oxygen and carbon dioxide,disorders of respiratory system	Lecture, Discussion, Interaction and Multimedia	<p><u>After completing the unit, children will be able to:</u></p> <ul style="list-style-type: none"> • Get familiar with the mechanism of breathing and exchange of gases. Calculate the total lung capacity In an organism 	
	18.BODY FLUIDS AND CIRCULATION	To acquaint them with the Components of circulatory system,components of blood,concept of blood groups,coagulation of blood,circulation mechanism,cardiac cycle and ECG	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> • Understand the underlying principle behind circulation of body fluids. Calculate the pulse and breathing rate. 	
	19.EXCRETORY PRODUCTS AND THEIR ELIMINATION	To mention about the Human excretory system,structure of kidney,counter current mechanism,urine formation,disorders of excretory system	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> • Describe the concept of functioning of kidney. <p>Explain the various steps involved in urine formation.</p>	<ul style="list-style-type: none"> • Test for presence of urea in urine • Test for presence of sugar in urine • Test for presence of albumin in urine. Test for presence of bile salt in urine.

DECEMBER	PERIODIC TEST II				
DECEMBER	20.LOCOMOTION AND MOVEMENT	<ul style="list-style-type: none"> To encourage types of movement,types of muscles and muscle contraction and theories related to it,human skeleton system and types of bones. 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> Demonstrate various types of bones in human body Become familiar with the human skeletal system and its disorders associated to it. 	<ul style="list-style-type: none"> Study of human skeleton and different types of joints with the help of virtual images/models only.
	21.NEURAL CONTROL AND COORDINATION	<ul style="list-style-type: none"> To explain the Human neural system, structure of neuron, generation of nerve impulse and transmission, central nervous system, structure of human brain and spinal cord. 	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> Study the various parts of human brain via different models. <p>Learn various parts of brain and its co ordination with various parts of the body.</p>	
	22.CHEMICAL COORDINATION AND INTEGRATION	To motivate them to learn about the Human endocrine system, various endocrine glands and their hormones associated to it,and their mode of action	Lecture, Discussion, Interaction and Multimedia	<ul style="list-style-type: none"> Explain the action of different hormones and their impact on body Show the mechanism of action of hormones by the hep of well labelled diagrams. 	
FEBRUARY--- MARCH	FINAL EXAMINATION				

BGS INTERNATIONAL PUBLIC SCHOOL**SECTOR 5, DWARKA ,NEW DELHI****CURRICULUM****SUBJECT : COMPUTER SCIENCE****TEXT BOOK: NCERT****TEACHERS NAME: MS. ANUPAMA SRIVASTAVA****CLASS : XI****SESSION : 2024-25**

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	<p>Programming and Computational Thinking</p> <ul style="list-style-type: none"> • Introduction to problem solving • Familiarization with the basics of Python programming • Knowledge of data types Operators • Conditional statements if-elif statements. 	<ul style="list-style-type: none"> • To make them understand the need of Algorithm(steps for solving a problem) and Flowcharts • Understand the concept and usage of different data types & operators in python • Create Python expression(s) and statement(s). • To implement Conditional and Iteration statements in Python using if-else ,nested if-elif statements. 	Discussion and Practical	<p>Students will learn the various Steps for solving a problem using algorithm, flow chat and pseudo code.</p> <p>They will become familiar with features of Python, character sets. Various data types and Operators permitted in Python .</p> <p>Students will be able to learn and apply reasoning and logic in the programming.</p>	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
JULY PERIODIC TEST - I					
MAY	<p>Programming and Computational Thinking</p> <ul style="list-style-type: none"> • Notion of iterative computation and control flow: FOR, WHILE 	<ul style="list-style-type: none"> • Students will learn the about the concept of Flow of control statements using FOR, 	Discussion and Practical	They will implement conditional and iterative statements and nested if-else statements and looping constructs.	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments

	<ul style="list-style-type: none"> • Jump Statements like Break and Continue. 	WHILE loops etc.in the programs.		Students will be able to apply logical concepts to solve.	
JULY	<p style="text-align: center;">Programming and Computational Thinking</p> <ul style="list-style-type: none"> • Strings: Compare, Concat, substring, notion of states and transitions. • REVISION 	Students will be able to learn the types of Traversal, operations – concatenation, repetition, membership; functions/methods in String	Discussion and Practical	Students will learn the concepts of String Manipulation as a data sequence of python .	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
AUGUST & SEPTEMBER	<p style="text-align: center;">Programming and Computational Thinking</p> <ul style="list-style-type: none"> • Lists, Tuples and Dictionaries. 	To understand the concepts of Lists, Tuples and Dictionaries and the notion of accessing elements in a collection using numbers and names.	Discussion and Practical	<p>Students will enhance their knowledge of higher order data structures.</p> <p>Students will apply their pre acquired knowledge of fundamentals of Python to create more complex programs of higher order data structures.</p>	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
OCTOBER	<p style="text-align: center;">Programming and Computational Thinking</p> <ul style="list-style-type: none"> • Python Modules like Math, Random and Statistics module. 	Students will learn methods to import various modules and associated functions.	Discussion and Practical	Importing math module (pi, e, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics module (mean, median, mode).	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments

NOVEMBER	<p>Computer Systems and Organisation</p> <ul style="list-style-type: none"> • Compiler and Interpreter • Functioning of operating System • Concept of Cloud computing and Parallel Computing. 	<p>Students will learn the difference between Compiler and Interpreter.</p> <p>Operating System as a resource manager.</p> <p>Students will be able to understand cloud storage (private / public) and acquire knowledge of parallel computing.</p>	Discussion	Students will develop a basic understanding of computer systems- architecture, OS mobile and cloud computing.	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
DECEMBER	<ul style="list-style-type: none"> • Society, Law and Ethics- • Cyber Safety • Technology and Safety 	Students will learn about the importance of Cyber Safety and appropriate usage of Social networks.	Discussion	Students will know about the appropriate usage of social networks and safely accessing web sites.	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
JANUARY	REVISION				
FEBRUARY	REVISION				
MARCH	FINAL TERM				

SUBJECT TEACHER

BGS INTERNATIONAL PUBLIC SCHOOL

SECTOR 5, DWARKA ,NEW DELHI

CURRICULLUM XI

SUBJECT : Accountancy(055)

SESSION: 2024-2025

TEXT BOOK: NCERT

TEACHERS NAME: Manoj Kumar

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	1.Introduction to Accounting Meaning,objectives, limitations, process of accounting	To gain knowledge of meaning, objectives, limitations of accounting	Theory and Discussion	After completing the topics students will be able to describe the meaning, objectives, limitations of accounting and accounting process	Assingments and text book
	2. Basic Accounting Terms Meaning of different terms used in accounting	To gain knowledge of Accounting Process To gain knowledge of different terms used in accounting	Theory and Discussion	Explain the various terms used in accounting and differentiate between different related terms	Assignments
MAY	3. Accounting Equation Writing accounting equation	To gain knowledge of drawing accounting equation	Practical and Discussion	Explain the concept of accounting equation and analyse their impact	Assignment and text book questions

JULY	PERIODIC TEST 1 Remaining part of Accounting Equation Theory base of Accounting(TERM 1)	To gain knowledge of drawing accounting equation To make them understand accounting assumptions and their relevance in accounting	Practical and Discussion Lecture and discussion method	Explain the concept of accounting equation and analyse their impact Appreciate various accounting assumptions/concepts and their importance in accounting Explain the meaning objectives of Accounting Standards	Assignment Theory assignments
	PT 1 EXAMINATION				
AUGUST	1 Basis of Accounting Cash and Accrual basis 2 Vouchers Source documents, cash and non cash vouchers	To make them understand difference b/w cash and accrual basis of accounting To make them understand different types of source documents and vouchers	Lecture Method Lecture Method	After completing the topic students will be able to appreciate that on the basis of source documents, accounting vouchers are prepared for recording transactions Develop understanding of calculating income on the cash basis and accrual basis of accounting	Assignments and work sheets Assignments and Work sheets

<p>SEPTEMBER</p>	<p>Rules of debit and credit Traditional and modern approach</p> <p>Journal and ledger</p>	<p>To gain knowledge of classification of accounts as per traditional as well as modern approach</p> <p>To learn how to pass journal entries of various business transactions with the help of rules of debit and credit</p>	<p>Problem solving</p> <p>Practical and Discussion</p>	<p>After completing the topics students will be able to develop understanding of classifying accounts as per traditional and modern approach.</p> <p>Develop the understanding of recording of transactions in journal and skill of calculating GST and develop the understanding and skill of ledger posting</p>	<p>Assignment and recapitulation sheets alongwith text book questions</p> <p>Assignment and recapitulation tests</p>
<p>SEPTEMBER</p>	<p>MID TERM EXAMINATION</p>				
<p>OCTOBER</p>	<p>Special purpose books- I Simple cash book and two column cash book</p> <p>Special purpose books –II Other books such as Purchase/sales/purchase return/sales return</p>	<p>To gain knowledge of maintaining format of different types of cash books and the method of recording cash transactions in cash book</p> <p>To develop understanding of preparing Purchase/Sales/Purchase return/ Sales return book</p>	<p>Practical and discussion</p> <p>Chalk and talk</p>	<p>After completing the topic students will be able to acquire knowledge of preparing different types of cash books</p> <p>Describe the method of recording transactions other than cash transactions as per their nature in different subsidiary books</p>	<p>Assignments and recapitulation tests</p> <p>Theory assignments and recapitulation tests alongwith text book</p>

					questions
OCTOBER	Bank Reconciliation Statement Need and methods of preparing Bank Reconciliation Statement	To acquire knowledge of reconcile the bank balance as shown by cash book and Pass book	Practical and discussion	After completing the topic students will develop understanding of preparing Bank Reconciliation Statement	Assignments and recapitulation tests
NOVEMBER	Trial Balance Objectives and preparation	To develop knowledge of preparing trial balance as per balance method	Chalk and talk	After completing the topic students will be able to draw trial balance with the help of ledger balances and correct the wrong trial balance	Text book questions alongwith recapitulation tests
	. Depreciation Features, causes, methods SLM and WDV	To develop understanding of using different methods for computing depreciation	Practical and discussion	Understand the accounting treatment of providing depreciation directly to the concerned asset account or by creating provision for depreciation account	Assignments and recapitulation tests
NOVEMBER	1 Provisions and Reserves Types of reserve capital and revenue	To develop knowledge of need of creating reserves and also for making reserves		Asfter completing the topics students will be able to appreciate need to create reserve and making of provisions for future	Theory assignments
	2. Bills of Exchange Terms of bills, discounting endorsement of bill, dishonour and renewal of bill of exchange	To develop understanding of methods of recording of bill transactions		Understand the technique of recording journal entries in the books of Drawer and Drawee of	Assignments and recapitulation tests alongwith text book

	3. Rectification of Errors	To gain knowledge of rectification of two sided and one sided errors		bill To learn how to pass journal entries to rectify two sided and one sided errors	questions Assignment and text book questions
DECEMBER	1 Final accounts of sole proprietor without adj Trading and Profit and loss Account, Balance sheet 2 Final Accounts with adjustments Outstanding/prepaid expenses, accrued/advance income, depreciation abnormal loss, bad debts provision for d/d	To develop understanding of how to prepare Trading A/C,, Profit and loss A/c and Balance Sheet of a business To develop knowledge of making adjustments like outstanding/prepaid expenses, accrued/advance income abnormal losses etc	Chalk and talk Practical and discussion	After completing the topic students will be able to draw Trading & Profit and loss account and Balance sheet as per order of permanence and order of liquidity Develop skill to do adjustments for items and their presentation in financial statement like depreciation, provision and abnormal loss etc.	Assignments and recapitulation sheets Assignments and text book questions
DECEMBER	1 Single entry system Accounting from incomplete record Statement of affairs method 2 computers in accounting	To develop understanding of how to calculate profits for business which do not keep proper books of accounts To gain knowledge of computers in accounting,	Practical and discussion Lecture and theory	After completing the topics Students will be able to calculate profit/losses from incomplete business records, preparation of debtors/bills receivable accounts creditors/bills payable account To learn skill of basics of	Assignments and recapitulation test Theory assignment

	Advantages, objectives and limitations	different types of accounting software		computers in accounting and understand different kind of accounting software	
				students will be able to learn basic concepts of computers in accounting, advantages and limitations.	
	PT II EXAMINATION				
JANUARY - FEBRUARY	REVISION FOR FINAL EXAMINATION				
MARCH	TERM 2 EXAMINATION				

SUBJECT TEACHER

**BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR 5, DWARKA, NEW DELHI -75
CURRICULUM**

SUBJECT : BUSINESS STUDIES (054)
TEXT BOOK: NCERT
TEACHERS NAME: MS.SAKSHI VIRMANI

CLASS XI
SESSION : 2024-25

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	<p>Foundations of Business. <u>Ch: Nature & Purpose of Business</u></p> <ul style="list-style-type: none"> • History of commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities Merchant Corporations , Major Trade Centers ,Major Imports and Exports, Position of Indian Sub-Continent in the World Economy. • Economic & Non economic Activities. • Concept & characteristics of Business. • Business, profession & employment: distinctive features. • Objectives of business. • Role of profit in business. • Business Risk. • Classification of Business Activities. 	<p>To make students understand the concept of business and various economic activities.</p>	<p>Discussion, lecture, Multimedia.</p>	<p>Students would be able to understand different types of economic activities and able to characterise distinct features of business.</p>	<p>Assignment.</p>

JULY	<p>Ch : <u>Forms of Business Organizations</u></p> <ul style="list-style-type: none"> • Sole Proprietorship- meaning, features, merits & limitations. 	<p>Student will be able to list the different forms of business organizations and understand their meaning.</p> <p>PT I EXAMINATION</p>	<p>Discussion, lecture, Multimedia</p>	<p>Students would be able to differentiate between different types of Business Organisations</p>	<p>Assignment.</p>
AUGUST	<p>Ch: <u>Forms of Business Organizations</u></p> <ul style="list-style-type: none"> • Hindu Undivided Family Business features, merits and Limitations • Cooperative Societies- features, merits& limitations. • Company: Private & public Company- features, merits & limitations. <p>Ch: <u>Public, Private & Global Enterprises</u></p> <ul style="list-style-type: none"> • Private & Public Sector Enterprises. • Forms of public sector enterprises: features, merits & limitations of departmental undertakings, statutory corporations <p><u>(Contd)</u></p> <ul style="list-style-type: none"> • Government Company. • Changing role of public sector enterprises. <p>Global Enterprises, Joint Ventures, Public Private Partnership –features</p>	<p>Student will be able to develop an understanding of Public Sector and Private Sector Enterprises.</p>	<p>Question-Answer method, Discussion, lecture, Multimedia.</p>	<p>After going through this unit students would be able to know different forms of business organisations with their individual merits and demerits. Which form is suitable where n under which circumstances.</p>	<p>Case study.</p>

	<p>Ch: <u>Business Services</u></p> <ul style="list-style-type: none"> • Banking: types of bank accounts. • Banking Services. • e- Banking. • Insurance & principles. • Types of Insurance. • Postal & Telecom Services 	<p>To enable student to understand the meaning of banking and various other services required by business.</p>	<p>Question-Answer method, Discussion, lecture, Multimedia.</p>	<p>After going through this unit students will understand the role of Business services and how various services lead to smooth flow of business.</p>	<p>Assignments.</p>
<p>SEPTEMBER</p>	<p>Ch : <u>Emerging Modes of Business</u></p> <ul style="list-style-type: none"> • E-business- Scope& benefits, resources required for successful e-business implementation, online transactions , payment mechanism , security & safety of business transactions. • Outsourcing – concept , need &scope of BPO (Business process outsourcing) & KPO (Knowledge process outsourcing). <p>Ch: <u>Social Responsibility of Business & Business Ethics</u></p> <ul style="list-style-type: none"> • Concept of Social Responsibility. • Case for Social Responsibility. • Responsibility towards owners. Investors, consumers, employees. 	<p>Student will be able to state the meaning of e-business, its scope, appreciate its benefits and identify resources required for implementation</p> <p>Students will be able to examine the case for social responsibility and</p>	<p>Question-Answer method, Discussion, lecture, Multimedia.</p>	<p>After going through this unit students will get knowledge about latest modes of Business with their pros and cons.</p>	<p>Assignments.</p>

	<p>government & community.</p> <ul style="list-style-type: none"> • Environment protection • Business ethics 	<p>its requirement in real life too.</p> <p>MID TERM EXAMINATION</p>			
OCTOBER	<p>Part - B: Finance & Trade. Ch: <u>Sources of Business Finance</u> Concept of business finance. .Owner`s funds: equity shares , preference shares, GDR , ADR , IDR & retained earnings. .Borrowed funds – debentures & bonds, loans from financial institutions, loans from commercial banks , public deposits , trade credit , ICD . Ch: <u>Small Business</u></p> <ul style="list-style-type: none"> • Entrepreneurship Development Concept, Feature and Need. • Process Entrepreneurship Development :Start up Indian Scheme, Ways to fund start-up. • Intellectual Property Rights and Entrepreneurship. • Small Scale Enterprises as defined by MSMED Act 2006. 	<p>To make students understand the meaning ,nature and importance of business finance. Various kinds of sources and their detailed analysis also.</p> <p>Students will be able to understand the concept of small business</p>	<p>Question-Answer method, Discussion, lecture, Multimedia.</p>	<p>Students would be able to analyse different sources of finance available under various parameters.</p>	<p>Case study.</p>

<p>NOVEMBER</p>	<ul style="list-style-type: none"> • Role of Small Business in India (with special reference to rural areas). • Government Schemes & Agencies for Small Scale Industries. <p>Ch: <u>Internal Trade</u></p> <ul style="list-style-type: none"> • Internal Trade : Meaning & Services. • Services rendered by a wholesaler & a retailer. • GST(Goods and Services Tax):Concept and key features. • Types of retail trade – itinerant & small scale fixed shops. • Large Scale retailers- departmental stores, chain stores, mail order business. • Concept of automatic vending machine. <p>Chambers of Commerce & industry : basic functions.</p> <ul style="list-style-type: none"> • Main Documents used in internal trade: Performa Invoice, invoice, debit note, 	<p>Students will be able to understand role and appreciate various government schemes and agencies for development of small scale industries.</p> <p>To make students appreciate the services of wholesalers and retailers.</p>	<p>Discussion, lecture, Multi media.</p>	<p>Students will get knowledge about small business and its role.</p>	<p>Assignment. Visit to any SSI.</p>
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	credit note. LR (Lorry Receipt) <ul style="list-style-type: none"> • Terms of trade :COD , FOB , CIF E&OE 				
DECEMBER	Ch: <u>International Trade</u> <ul style="list-style-type: none"> • Concept & Problems. • Scope <ul style="list-style-type: none"> • Export Procedure & Documentation. • Import Procedure & Documentation. • Role of World Trade Organizations 	Student will be able to differentiate internal trade and international trade. To make students understand the various documents used in international trade. PERIODIC TEST -II	Discussion, lecture, Multi media.	After going through this unit student will learn the procedure required for export and import trade	Assignment.
JANUARY	REVISION				
FEBRUARY- MARCH	FINAL EXAMINATION				

SUBJECT TEACHER

BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR – 5, DWARKA, NEW DELHI
CURRICULUM

Subject: Economics (030)

Class : XI

Books: Part A Introductory Microeconomics (NCERT)

Session: 2024-25

Part B Statistics for Economics (NCERT)

Teacher Name: Mr. Gaurav

Month	Content	Objectives	Methodology	Expected Learning Outcomes	Activities
APRIL	Unit 1 Central Problem of an economy Unit 2 Consumer Behaviour and Demand	<ul style="list-style-type: none"> - Familiar with the concept of micro & macro economics - Central Problems of an economy - Understand different concepts of utility & maximum satisfaction level of a consumer under cardinal & ordinal approach - Understand the meaning & different concepts of demand 	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion - Test 	<p>Students would be able to relate the concept of resources with their own time constraint.</p> <p>-Students would be able to implement Opportunity Cost and PPC concept with their own performance in subject.</p> <ul style="list-style-type: none"> - Students would be able to analyze their own behavior while buying goods in the market. - Students would be able to analyze the role of other factors when they make changes in the demand. - Students would be able to differentiate the category of products. 	<ul style="list-style-type: none"> - Edu comp - Friday Recapitulation - Practice Questions - Ask students to prepare the activity based on concept
MAY	Ch. 1 Introduction to Statistics Ch. 2 Collection of data	<ul style="list-style-type: none"> - Understanding the meaning of statistics - Understand the use of statistics in economics and daily life application - Know the types of data Methods of collection of data, census and sample method 	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion - Test 	<ul style="list-style-type: none"> - Students would be able to relate the statistics to their daily life. - Students would be able to relate the methods of collecting data in news paper . 	<ul style="list-style-type: none"> - Edu comp - Friday Recapitulation - Practice Questions - Ask students to prepare the activity based on concept
JULY	Ch. 4 Organization of data	<ul style="list-style-type: none"> - Know about the organizations 	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion 	<ul style="list-style-type: none"> - Students can make best of these methods while 	<ul style="list-style-type: none"> Edu comp Friday Recapitulation Practice Questions

	Ch. 5 Presentation of data, Textual & Tables	<ul style="list-style-type: none"> - Understand the need of methods to frame policy or programmes - Know about the types of series, class interval, midpoint etc - Know how to make table & its contents - Know how to present data in different forms like bar & pie diagrams, line diagrams etc. <p>PERIODIC TEST -1</p>	<ul style="list-style-type: none"> - Test 	preparing their economics project	Ask students to prepare the activity based on concept
AUGUST	Ch. 8 Measures of central Tendency	<ul style="list-style-type: none"> - Know the different methods to find out the mathematical & positional averages 	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion - Test 	<ul style="list-style-type: none"> - Students can best use of central tendency in project work as well as to evaluate their average performance in the class. 	
SEPTEMBER	Unit 3 Producer Behaviour	<ul style="list-style-type: none"> - Understand the theory of Production - Understand the different stages of production - Understand the terms used for cost & revenue <p>MID TERM EXAMINATION</p>	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion - Test 	<ul style="list-style-type: none"> - Students would be able to understand the mechanism of production unit or any business. - Students can easily identify the types of cost in their day to day life. 	<ul style="list-style-type: none"> - Edu comp - Friday Recapitulation - Practice Questions - Ask students to prepare the activity based on concept
OCTOBER	Unit 3 : Supply Ch.9 Measures of dispersion	<ul style="list-style-type: none"> - Know about the concept of supply and elasticity of supply - Know how to find out the difference between mean value & value given in series. 	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion - Test 	<ul style="list-style-type: none"> - Students would be able to understand the concept of supply and its change due to other factors. - Students would be able to know why sellers are charging higher price for the product. - Students would be to calculate the variations in result and the real data. 	<ul style="list-style-type: none"> - Edu comp - Friday Recapitulation - Practice Questions - Ask students to prepare the activity based on concept
NOVEMBER	Ch. 10 Correlation	<ul style="list-style-type: none"> - To understand the relationship between the two variables 	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion - Test 	<ul style="list-style-type: none"> - Students would be able to analyze the strength of relationship between economic variables. 	<ul style="list-style-type: none"> - Edu comp - Friday Recapitulation - Practice Questions

	Unit 4 Forms of Market and Price Determination under Perfect Competition with simple applications	<ul style="list-style-type: none"> - Understand the forms of market and their features - Understand the price determination and its chain reaction 		<ul style="list-style-type: none"> - Students can make best use of concept in project. - Students would be able to identify the markets in real life and can see the features in it. 	<ul style="list-style-type: none"> - Ask students to prepare the activity based on concept -
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DECEMBER	Ch Index Number	<ul style="list-style-type: none"> - Know the concept of general price level - Helps to understand the concept of inflation - Know the different consumer index number <p>PERIODIC TEST -II</p>	<ul style="list-style-type: none"> - Lecture method - Use of multimedia - Discussion - Test 	<ul style="list-style-type: none"> - Students would be able to use the concept in their project work . - Students would be able to understand the concept of inflation and its reason. - Students would be able to analyze the role of government in controlling these economic instability. 	<ul style="list-style-type: none"> - Edu comp - Friday Recapitulation - Practice Questions - Ask students to prepare the activity based on concept -
JANUARY	REVISION FOR FINAL EXAMINATION				
FEBRUARY	FINAL EXAMINATION				

BGS INTERNATIONAL PUBLIC SCHOOL

SECTOR 5, DWARKA ,NEW DELHI

CURRICULUM

SUBJECT : APPLIED MATHEMATICS (241)
TEXT BOOK : ML. Aggarwal
TEACHER NAME : Vashvinder Kaur

SESSION: 2024-25
CLASS: XI

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
April (20days)	<p>Unit – I Numbers, Quantification and Numerical Applications</p> <p>(Indices, Logarithm and Antilogarithm, Laws and Properties of logarithms, Simple applications of logarithm and antilogarithm, Average, clock, Calender, Time , Work and Distance, Mensuration, Seating Arrangement)</p>	<ul style="list-style-type: none"> -● Express decimal numbers in binary system ● Relate indices and logarithm /antilogarithm ● Find logarithm and antilogarithms of given number ● Determine average for a given data ● Calculate the angle formed between two hands of clock at given time ● Determine Odd days in a month/ year/ century ● Compare the work done by the individual / group w.r.t. time ● Solve problems based on surface area and volume of 2D and 3D shapes 	<ul style="list-style-type: none"> ● Lecture method ● Discussion method ● Online ppt 	<p>-Students would be able to do conversion from decimal to binary system and vice - versa</p> <p>Students would able to solve problems on average, weighted average</p> <ul style="list-style-type: none"> ● Number of rotations of minute hand / hour hand of a clock in a day ● Students would able to learn odd days in a year/ century.and day corresponding to a given date <p>Students would able to do comparison between 2D and 3D shapes</p> <ul style="list-style-type: none"> ● Make combination of solids and Transform one solid shape to another 	<ul style="list-style-type: none"> ➤ Assignments. ➤ Practice on Spread Sheet ➤ Recapitulation tests.

	<p>Unit – III</p> <p>Mathematical Reasoning</p> <p>(Logical reasoning)</p>	<ul style="list-style-type: none"> ● Locate the position of a person in a seating arrangement ● Solve logical problems involving odd man out, syllogism, blood relation and coding decoding 		<ul style="list-style-type: none"> ● Linear and circular seating arrangement ● Position of a person in a seating arrangement ● Students would able to do solve problems on odd man out , Syllogism ,Blood relations , Coding Decoding 	
<p>May (15 days)</p>	<p>Unit – IV</p> <p>(Calculus)</p> <p>(Function, Domain and Range of a functions, Graphical representation of function, limits and continuity, rate of change, differentiation)</p>	<p>Define a function using dependent and independent variable</p> <p>Define domain, range and co-domain of a given function</p> <ul style="list-style-type: none"> ● Define limit of a function ● Solve problems based on the algebra of limits ● Define continuity of a function <p>Define instantaneous rate of change</p> <ul style="list-style-type: none"> ● Find the derivative of the functions <p>Find the derivative of function of a function</p>	<ul style="list-style-type: none"> ● Lecture method ● Inductive-deductive method. ● Discussion method ● Online ppt . 	<p>Students would able to do solve problems on Function as a rule or law that defines a relationship between one variable (the independent variable) and another variable (the dependent variable)</p> <p>Domain as a set of all values of independent variable ● Co-domain as a set of all values of dependent variable</p> <p>Graph of some polynomial functions, Logarithm function, Exponential Function, Modulus function, Greatest integer</p> <p>Students would able to do differentiation of algebraic functions</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.

<p>JULY- (22 days)</p>	<p>Unit – II (PT – I) Algebra (Sets, Relation, Sequence and Series, Permutation and Combinations)</p>	<p>Define set as well-defined collection of objects</p> <p>Enlist all subsets of a set</p> <ul style="list-style-type: none"> ● Find number of subsets of a given set ● Find number of elements of a power set ● Write Cartesian product of two sets <p>Solve application problems based on AP</p> <ul style="list-style-type: none"> ● Find arithmetic mean (AM) of two positive numbers <p>Derive the nth term and sum of n terms of a given GP</p> <ul style="list-style-type: none"> ● Solve problems based on applications of GP <p>Define factorial of a number</p> <ul style="list-style-type: none"> ● Apply the formula of combination to solve the related problems 		<p>Students would able to write elements of a set in Set Builder form and Roster Form and Convert a set given in Roster form into Set builder form and vice-versa</p> <p>Students would able to make venn diagrams as the pictorial representation of relationship between sets</p> <p>Students would able to solve the problems of AP, GP , AM and GM.</p> <ul style="list-style-type: none"> ● Fundamental Principle of Addition ● Fundamental Principle of Multiplication 	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.
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<p>AUGUST (19 days)</p>	<p>Unit – V Probability (TERM 2) (Introduction, Random Experiment and Sample Space, Event, Conditional Probability, Total Probability, Bayes Theorem)</p>	<p>Appreciate the use of probability in daily life situations</p> <p>Define random experiment and sample space with suitable examples</p> <p>Define an event</p> <ul style="list-style-type: none"> • Recognize and differentiate different types of events and find their probabilities <p>Interpret mathematical information and identify situations when to apply total probability</p> <ul style="list-style-type: none"> • Solve problems based on application of total probability <p>State Bayes’ theorem</p> <ul style="list-style-type: none"> • Solve practical problems based on Bayes’ Theorem 	<ul style="list-style-type: none"> • Lecture method • Discussion method • Chalk-n-talk Method • Brain-Storming Method • Chalk – talk method • Discussion method. 	<p>Students would be able to understand probability as quantitative measure of uncertainty and Use of probability in determining the insurance premium, weather forecasts etc.</p> <p>Types of Event: Impossible and sure event, Independent and dependent event, mutually exclusive and exhaustive event</p> <p>Students would be able to solve problems on Total Probability, Conditional Probability and Bayes Theorem.</p>	<ul style="list-style-type: none"> ➤ Dice simulation activity on spread sheet ➤ Assignments. ➤ Recapitulation tests.
<p>SEPTEMBER (24 days)</p>	<p>Revision of Units : (I – V)</p> <p>Mid Term Exams</p> <p>Unit – VI Descriptive Statistics (Data Interpretation, Measure of Dispersion, Skewness and Kurtosis,</p>	<p>Differentiate between range, quartile deviation, mean deviation and standard deviation</p>	<ul style="list-style-type: none"> • Lecture method 	<p>Students would be able to find mean deviation around mean and median</p> <ul style="list-style-type: none"> • Standard deviation and variance • Visualization of graphical representation of data using Excel Spreadsheet 	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests. ➤ Practice of finding Measure of Dispersion on Spread Sheet

	<p>Percentile rank and Quartile rank, Correlation)</p>	<ul style="list-style-type: none"> ● Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set <p>Define Skewness and Kurtosis using graphical representation of a data set</p> <ul style="list-style-type: none"> ● Interpret Skewness and Kurtosis of a frequency distribution by plotting the graph <ul style="list-style-type: none"> ● Calculate coefficient of Skewness and interpret the results <p>Define Percentile rank and Quartile rank</p> <ul style="list-style-type: none"> ● Calculate and interpret Percentile and Quartile rank of scores in a given data set ● Calculate Product moment correlation for ungrouped and grouped data ● Calculate Karl Pearson's coefficient of correlation ● Calculate Spearman's rank correlation 	<ul style="list-style-type: none"> ● Discussion method ● Inductive-Deductive method. ● Online ppt. 	<p>or any other computer assisted tool</p> <p>Students would be able to understand the concept of generalization</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests. ➤ Assignments. ➤ Recapitulation tests.
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<p>OCTOBER (18 days)</p>	<p>Unit – VII</p> <p>Financial Mathematics</p> <p>(Interest and Interest Rates, Accumulation with simple and compound interest, Simple and compound interest rates with equivalency, Effective rate of interest, Present value, net present value and future value, Annuities, Calculating value of Regular Annuity, Simple applications of regular annuities (upto 3 period), Tax, calculation of tax, simple applications of tax calculation in Goods and service tax, Income Tax, Bills, tariff rates, fixed charge, surcharge, service charge, Calculation and interpretation of electricity bill, water supply bill and other supply bills)</p>	<p>Compare the difference between Nominal Interest Rate, Effective Rate and Real Interest Rate</p> <ul style="list-style-type: none"> ● Calculate Simple Interest and Compound Interest ● Define with examples the concept of effective rate of interest ●Compute net present value Apply net present value in capital budgeting decisions ●Apply the concept of Annuity in real life situations ●Differentiate between Direct and indirect tax ●Define and explain GST ●Calculate GST ●Explain rules under State ● Analyze the meaning and rules determining tariff rates <p>Evaluate how to calculate units consumed under electricity bills/water bill</p>	<ul style="list-style-type: none"> ● Discussion method ● Chalk-talk method. ● Inductive method ● Educomp. 	<p>Students would able to understand Impact of high interest rates and low interest rates on the business</p> <p>Students would able to find effective rate of interest, present value and Future Value.</p> <p>Students would able to solve problems on Annuity</p> <p>Students would able to find income Tax and utility bills.</p>	<ul style="list-style-type: none"> ➤ Assignments ➤ Recapitulation tests. ➤ Practice of find Simple Interest and compound interest on spreadsheet.
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NOVEMBER (23 days)	UNIT – VIII (PT- II) COORDINATE GEOMETRY (Straight line, Circle, Parabola)	<ul style="list-style-type: none"> ● Find the slope and equation of line in various form ● Find angle between the two lines ● Find the perpendicular from a given point on a line ● Find the distance between two parallel lines Define a circle <ul style="list-style-type: none"> ● Find different form of equations of a circle ● Solve problems based on applications of circle Define parabola and related terms <ul style="list-style-type: none"> ● Define eccentricity of a parabola ● Derive the equation of parabola 	<ul style="list-style-type: none"> ● Discussion method ● Brainstorming session. ● Deductive Method ● Chalk –n – talk Method. 	Students would able to find centre and radius of circle Students would able to form equation of a circle in standard form, central form, diameter form and general form. <ul style="list-style-type: none"> ● Equation of a parabola in standard form: ● Focus, Directrix, Axis, Latus rectum, Eccentricity ● Application in parabolic reflector, beam supported by wires at the end of the support, girder of a railway bridge, etc. 	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.
DECEMBER (25 days)			Brain storming session		<ul style="list-style-type: none"> ➤ Rapid Revision Tests.
JANUARY	REVISION FOR FINAL TERM		Brain storming session		Rapid Revision Tests.
FBRUARY- MARCH	FINAL TERM EXAM				

SUBJECT TEACHER

BGS INTERNATIONAL PUBLIC SCHOOL

SECTOR 5, DWARKA ,NEW DELHI

CURRICULUM

SUBJECT : MATHEMATICS (041)
TEXT BOOK : NCERT
TEACHER NAME : VASHVINDER

SESSION: 2024-25
CLASS: XI

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	<p>SETS - CHAPTER 1</p> <p>Definition, Types of sets, formulae of sets.</p> <p>Venn-Diagrams, problems of sets using algebra of sets and formulas.</p>	<p>-To make them understand the concepts of sets, algebra of sets and students are able to list various formulas of sets.</p> <p>-To make them understand the types of sets.</p>	<ul style="list-style-type: none"> Lecture method Discussion method Online ppt 	<p>-Students would be able to do conversion of angles, addition, subtraction formulae and problems.</p> <p>-Factorization and de-factorization formulae and problems.</p> <p>-Students would be able to do problems in venn diagrams and their applications.</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.
APRIL	<p>COMPLEX NUMBERS AND QUADRATIC EQUATIONS - CHAPTER 5</p> <p>Definition, algebraic properties of complex numbers, Argand plane and polar representation, square root of a complex number, solution of quadratic equation</p>	<p>-To make understand the concept of complex numbers and their properties.</p>	<ul style="list-style-type: none"> Lecture method Inductive-deductive method. 	<p>-Students would be able to understand the necessity of complex numbers and its applications.</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.

MAY	<p>RELATIONS AND FUNCTIONS – CHAPTER 2</p>	<p>-Definitions of relations,pictorial diagrams , co-domain and range of a function.To make them understand different types of functions with their graphs.</p>	<ul style="list-style-type: none"> • Lecture method • Inductive-deductive method. 	<p>Students should understand various types of functions and relations.</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation
JULY	<p>TRIGONOMETRIC FUNCTIONS – CHAPTER 3</p> <p>Positive and negative angles, conversion of angles : degrees to radians and vice-versa, signs of trigonometric ratios, addition theorem for $\sin(x \pm y)$, $\cos(x \pm y)$, $\tan(x \pm y)$, allied angle formulas, multiple and sub-multiple angle formulas, factorization and de-factorization theorem, general solutions .</p>	<p>To make them understand the basic concepts of angles, trigonometric formulas and their applications</p>	<ul style="list-style-type: none"> • Lecture method • Discussion method <p>Chalk-n-talk</p>	<p>Students would be able to do conversion of angles, addition, subtraction formulae and problems.</p> <p>-Factorization and de-factorization formulae and problems.</p> <p>-Trigonometric equations and problems.</p>	<ul style="list-style-type: none"> ➤ Assignments and activity in graph of t-ratios. ➤ Recapitulation tests.
JULY	<p>STRAIGHT LINES – CHAPTER 10</p> <p>Concept of slope, various forms of straight lines, equation of straight lines, general form of a straight line,angle between the lines, and perpendicular distance of a line.</p>	<p>-To make them understand the concept of slopes, various forms of lines, concept of distance between the lines.</p>	<ul style="list-style-type: none"> • Discussion method • Online ppt . 	<p>Students would be able to understand about equation of lines with various types and its applications.</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.

	PERIODIC TEST - I				
AUGUST	<p>SEQUENCE – CHAPTER 9</p> <p>Revision of arithmetic progression, geometric progression and their respective means, relationship between A.M and G.M.</p> <p>SERIES</p> <p>Arithmetic, geometric series and its applications.</p>	<p>-To make them understand the difference between sequence ,series and its applications.</p> <p>-To enhance the concept of sequences and students will learn the new concept of G.P</p>	<ul style="list-style-type: none"> • Lecture method • Discussion method • Inductive-Deductive method. 	Students would be able to understand the types of series and its applications.	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.
AUGUST	<p>3 D GEOMETRY – CHAPTER 12</p> <p>Extension of 2D geometry to 3D geometry, signs of axes in their octants, position of a point in a plane, applications of 3D.</p>	To understand the need of 3D geometry and their extension from 2D geometry	<ul style="list-style-type: none"> • Lecture Method • Inductive-deductive method Online ppt. 		<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.
AUGUST - SEPTEMBER	<p>PERMUTATIONS AND COMBINATIONS – CHAPTER 7</p> <p>Factorial n!, fundamental principle of counting, permutation and their types, combination and their types.</p>	To make them understand the concept of arrangement and selection with real life examples.	<ul style="list-style-type: none"> • Brain-Storming Method • Chalk – talk method • Discussion method. 	Students would be able to understand the importance of arrangement and selection and its applications.	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.

<p>SEPTEMBER - MID</p>	<p>MID – TERM EXAMINATION</p>				
<p>SEPTEMBER - OCTOBER</p>	<p>LINEAR INEQUALITIES – CHAPTER 6 Algebraic solutions of in-equations in one and two variables and representing on number line, system of in-equations and graphical</p>	<p>To make them understand the concept of inequalities and their graphs.</p>	<ul style="list-style-type: none"> • Lecture method • Discussion method • Inductive-Deductive method. 	<p>Students would be able to do the solutions of linear in-equations: algebraically and graphically.</p>	<ul style="list-style-type: none"> ➤ Assignments ➤ Recapitulation tests.
<p>OCTOBER</p>	<p>STATISTICS – CHAPTER 15 Mean deviation about mean, median in discrete and continuous data.</p> <p>PRINCIPLE OF MATHEMATICAL INDUCTION - CHAPTER 4 Concept of generalization, principle of induction and its applications.</p>	<p>-To understand the different types of data and its applications.</p> <p>-To make them understand the concept of generalization</p>		<p>Students would be able to understand the concept of generalization</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.
<p>OCTOBER</p>	<p>BINOMIAL THEOREM – CHAPTER 8 Concept of indices, proof of binomial theorem, general and middle terms, co-efficient and ratio of the</p>	<p>-To make them understand the concept of binomial theorem and its</p>	<ul style="list-style-type: none"> • Discussion method • Chalk-talk method. • Inductive method 	<p>-Students would be able to understand the concept of binomial theorem , with their types and its applications.</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.

<p>NOVEMBER</p>	<p>terms.</p> <p>LIMITS & DERIVATIVES – CHAPTER 13</p> <p>Concept of limits ,definition, types of algebraic limits, types of trigonometric, logarithmic and exponential limits, concept of derivative, algebra of derivatives,</p> <p>Formulas of algebraic and trigonometric derivatives.</p>	<p>applications.</p> <p>-To make them understand the concepts and analyze their types for solving problems. Students will able to solve various problems.</p>	<ul style="list-style-type: none"> • Educomp. • Deductive Method • Chalk –n – talk Method. 	<p>-Students would be able to understand the meaning of calculus,limits and derivatives and its applications.</p>	<ul style="list-style-type: none"> ➤ Assignments ➤ Recapitulation tests.
<p>NOVEMBER</p>	<p>CONIC SECTIONS – CHAPTER 11</p> <p>Concept of conics through focus – directrix property, definition of conics, standard forms of circle, parabola, ellipse, hyperbola and their formulas.</p>	<p>-To make them understand the concept of conics and their various forms and analyse and differentiate between them.</p>	<ul style="list-style-type: none"> • Educomp • Lecture method • Discussion method • Brainstorming session. 	<p>-Students would be able to understand the types of conics and analyse its applications.</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.
<p>NOVEMBER</p>	<p>PROBABILITY – CHAPTER 16</p> <p>Definition of key terms in probability, algebra of events, Types of events, Axiomatic probability, addition theorem and its applications.</p>	<p>To make them analyse the concept of probability and its uses in real life situations.</p>	<ul style="list-style-type: none"> • Inductive – deductive method • Discussion method 	<p>Students would be able to understand about axiomatic probability and its applications and problems.</p>	<ul style="list-style-type: none"> ➤ Assignments. ➤ Recapitulation tests.

DECEMBER	MATHEMATICAL REASONING – CHAPTER 14	-To explain various mathematically accepted statements and their use through variety of examples.	<ul style="list-style-type: none"> • Lecture method • Discussion method • Chalk-n-talk Method 	-Students must understand these mathematical statements and their usage in real life.	
DECEMBER	PERIODIC TEST - II	-			
JANUARY	REVISION FOR FINAL TERM		Brain storming session		Rapid Revision Tests.
FBRUARY-MARCH	FINAL TERM EXAM				

SUBJECT
TEACHER

BGS INTERNATIONAL PUBLIC SCHOOL**SECTOR 5, DWARKA ,NEW DELHI****CURRICULUM**

SUBJECT : INFORMATICS PRACTICES
TEXT BOOK : NCERT
TEACHERS NAME: Ms. ANUPAMA SRIVASTAVA

CLASS : XI
SESSION : 2024-25

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	Introduction To Python <ul style="list-style-type: none">Basics of Python programmingData types and operatorsstructure of a program, comments, input and output statements	Familiarization with the Basics of Python programming	Discussion and Practical	Students will be able to learn and apply reasoning and logic in the programming	<ul style="list-style-type: none">❖ Practical questions on database.❖ Recapitulation test❖ Assignments
MAY & JULY	Introduction To Python <ul style="list-style-type: none">Conditional statements if-elif statements.Notion of iterative computation and control flow: FOR Loop	<ul style="list-style-type: none">To implement Conditional and Iteration statements in Python using if-else ,nested if-elif statements.Students will learn the about the concept of Flow of control statements using FOR loop in the programs.	Discussion and Practical	Students will be able to learn and apply reasoning and logic in the programming. They will implement conditional and iterative statements and nested if-else statements and looping constructs.	<ul style="list-style-type: none">❖ Practical questions❖ Recapitulation test❖ Assignments
AUGUST	Introduction To Python Programming <ul style="list-style-type: none">Lists and Dictionaries.	To understand the concepts of Lists, and Dictionaries and the notion of accessing elements in a collection using numbers and names.	Discussion and Practical	Students will be able to apply logical concepts to solve. Learn how to reason with variables, state transitions, conditions and iterations.	<ul style="list-style-type: none">❖ Practical questions❖ Recapitulation test❖ Assignments

SEPTEMBER & OCTOBER	<p>Data Management</p> <ul style="list-style-type: none"> Relational databases: Idea of a database and the need for it, relations, keys, primary key, Candidate , Alternate & Foreign key concepts. DDL and DML commands of SQL: to create a table, insert/delete/Update an entry, delete a table. 	<ul style="list-style-type: none"> To know about the fundamental concepts of database and SQL commands. Students would learn about how to create, populate and query database using MySQL. 	Discussion and Practical	Students will apply their knowledge of SQL commands to create database, insert values in the table, delete , update and select the records from the database.	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
NOVEMBER	<p>Introduction to the Emerging Trends</p> <ul style="list-style-type: none"> Artificial Intelligence, Machine Learning, , Internet of Things (IoT), Cloud Computing and Cloud Services 	Students will understand how machine learning provides system the ability to automatically learn and improve using AI.	Discussion and Practical	Students would be able to understand, explore and make good use of the emerging trends like AI ,cloud storage and its services	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
DECEMBER	<p>Introduction To Computer System</p> <ul style="list-style-type: none"> Basic concept of Data representation Types of software 	<p>Students will learn the Binary, ASCII, Unicode</p> <p>Operating System as a resource manager.Students will be able to understand Application software, System software and Utility software.</p>	Discussion	Students will develop a basic understanding of computer systems And concept of Number system and Character set . And various types of software and its usage.	<ul style="list-style-type: none"> ❖ Practical questions ❖ Recapitulation test ❖ Assignments
DECEMBER		REVISION			
JANUARY	REVISION				
FEBRUARY	REVISION				
MARCH	FINAL TERM				

SUBJECT TEACHER

BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR 5, DWARKA ,NEW DELHI
CURRICULUM

SUBJECT: PSYCHOLOGY
TEXT BOOK: NCERT
TEACHER'S NAME: MS SHUBHAM DHIR

SESSION: 2024-25
CLASS: XI

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	<p><u>Ch-1</u> What is Psychology</p> <p>INTRODUCTION TO PRACTICALS: Self Concept Questionnaire</p>	<ul style="list-style-type: none"> To understand the nature and role of psychology, its relationship with other disciplines. To appreciate the value of psychology in daily life. To explain the process of experiments. To explain the essentials of research process. 	<p>Lecture & Discussion</p> <p>Lecture and Demonstration</p>	<ul style="list-style-type: none"> The students will understand the role and application of Psychology in daily life. They will appreciate the evolutionary process of Psychology. The student will understand the procedure of experiments including hypothesis formation, administration, scoring as well as interpretation. 	<p>Assignment, worksheet</p> <p>Conduction of Practicals</p>

	<p><u>Ch-2</u> Methods of Enquiry in Psychology</p>	<ul style="list-style-type: none"> • To explain the goals and nature of psychological enquiry • To describe important methods of psychological enquiry 	<p>Lecture & Discussion</p>	<ul style="list-style-type: none"> • They will learn the ethics of experimental psychology. • They will learn the research process. • They will understand the importance of different variables in experimental process. They will learn various methods of psychological enquiry 	<p>Worksheets, Practicals</p>
<p>MAY</p>	<p><u>Ch-3</u> Bases of Human Behaviour</p>	<ul style="list-style-type: none"> • To understand the evolutionary nature of human behavior. • To explain the role of culture in shaping human behaviour. • To describe the processes of enculturation, socialisation and acculturation. 	<p>Lecture & Discussion &Multimedia</p>	<ul style="list-style-type: none"> • The students will learn biological bases of behaviour. • They will understand how culture affects individuals and how individuals affect culture. 	<p>Demonstration of videos about how neurons work</p>

JULY	Ch-4 Human Development	<ul style="list-style-type: none"> To describe the meaning and process of development To identify the stages of development and their challenges. <p>PERIODIC TEST I</p>	Lecture, Discussion & Multimedia	<ul style="list-style-type: none"> The students will learn various facets of development during different developmental stages. They will also understand various challenges during these stages. 	ASSIGNMENT WORKSHEETS REVISION THROUGH QUIZZES APP
AUGUST+ SEPTEMBER	Ch-5 Sensory, Attentional and Perceptual Processes	<ul style="list-style-type: none"> To understand the nature of sensory processes. To explain the processes and types of attention and their use in everyday life. 	Lecture, Discussion & Multimedia	<ul style="list-style-type: none"> To understand the nature of sensory processes, To explain the processes and types of attention, To analyse the problems of form and space perception, To examine the role of socio-cultural factors in perception, and To reflect on sensory, attentional and perceptual processes in everyday life. 	ASSIGNMENT WORKSHEETS DISCUSSION OF CASE STUDY BASED QUESTIONS

	Ch-6 Learning	<ul style="list-style-type: none"> To describe the nature of learning and its types. To explain various theories of learning and their determinants. <p>MID TERM</p>	Lecture, Discussion and Multimedia	<ul style="list-style-type: none"> The students will learn different models of conditioning including classical conditioning and operant conditioning. They will also learn verbal learning, insight learning and latent learning. They will also learn to implement learning principles into daily life. 	Application of learning principles, Real life examples, demonstration of videos related to learning classic experiments.
OCTOBER	Ch-7 Human Memory	<ul style="list-style-type: none"> To understand the nature of memory. To distinguish between different types of memory. To explain the nature and causes of forgetting 	Lecture and Discussion	<ul style="list-style-type: none"> The students will learn stage model of memory. They will understand role of rehearsal in transfer of memory from short term to long term. 	ASSIGNMENT, WORKSHEETS
NOVEMBER	Ch 9 Motivation and Emotion	To understand the nature of human motivation		<ul style="list-style-type: none"> The students will understand what 	ASSIGNMENT WORKSHEETS

		To describe the nature of human expression.		<p>guides people's behaviour</p> <ul style="list-style-type: none"> • They will learn to identify and modify emotions • The students will learn the theories of motivation. 	REVISION THROUGH QUIZZES APP
DECEMBER		PERIODIC TEST 2			
JANUARY FEBRUARY- MARCH		FINAL EXAMINATION			

SUBJECTTEACHER: Ms SHUBHAM DHIR, PGT Psychology

BGS INTERNATIONAL PUBLIC SCHOOL

SECTOR 5, DWARKA ,NEW DELHI

CURRICULUM

SUBJECT : Political Science

SESSION: 2023-24

TEXT BOOK: Constitution At Work and Political Theory

Class-XI

TEACHERS NAME: Shampa Ghosh

TERM-1

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
April	Chapter-1 Constitution: Why and How?& philosophy of the constitution. Rights in the Indian constitution. Constitution As a Living document	To make the students aware of the making of the Constitution, the constituent Assembly, Procedural achievements and Philosophy of the Constitution. To create an awareness about the importance of Rights, Fundamental Rights in the Indian Constitution, Directive Principles of State Policy, Relationship between Fundamental Rights and Directive Principles Are Constitutions static? The procedure	Discussion method with notes on the sub topics. Class assignments Discussion method with notes on the sub topics. Class assignments	It is expected that the students to learn in detail about the objectives of the constitution and the principals to be associated with it. To create an awareness about the importance of Rights, Fundamental Rights in the Indian Constitution, Directive Principles of State Policy, Relationship between Fundamental To understand the value of a constitution in any independent country, discussion on its dynamic character	Assignments and debate over the articles if the constitution. Enactment of various rights in the class in the form of mock drill to make all the students aware of our fundamental rights. Class assignment and group discussions

		to amend the Constitution. Why have there been so many amendments? Basic Structure and Evolution of the Constitution. Constitution as a Living Document.			
May	Chapter-2 Election And Representation	Elections and Democracy, Election System in India, Reservation of Constituencies, Free and Fair Elections, Electoral Reforms	Discussion method with notes on the sub topics.	Making the students aware about the systems of representative democracy through the study of various election procedures followed in a democratic country.	To prepare the students for mock election so as to make them learn about the various procedures involved in the process
July	Chapter-7 Local government	Why do we need Local Governments? Growth of Local Government in India, 73rd and 74th Amendments, implementation of 73rd and 74th Amendments	Discussion method with notes on the sub topics	To familiarise the students once more with the organs of a democratic government, to help them to get an idea about the workings of the most important executives of the country.	Mcq activities using the multimedia ,debate and group discussion including class assignment.
	PT-1	EXAMINATION	ON 40% SYLLABUS		
August	Chapter-8 An Introduction to political theory	What is politics?, Meaning and scope of political theory, Relation between theory and practice, Utility and Significance of the study of Political theory.	. Discussion method with notes on the sub topics and class assignments	To enable the students to understand the necessity of political theory and the ways of its application	Assignments and debate over the articles of the constitution

August	Chapter-12 Rights	What are Rights? Where do Rights come from? Legal Rights and the State. Kinds of Rights. Rights and Responsibilities	Usage of multimedia, class activity and class assignment, discussion method.	Help the students to know the basic concept of rights and its implementation.	Debates and group discussion on the topics, newspaper clips collection.
August	Chapter-16 Development	What is development? Criticism of the dominant. Development Model. Alternative conceptions of development.	Discussion method with notes on the sub topics. Class assignments, using multimedia.	To understand the concept of a democratic government	Mcq activities using the multimedia ,debate and group discussion
TERM-2					
August	Chapter-3 Legislature	Why do we need a Parliament? Two Houses of Parliament. Functions and Power of the Parliament, Legislative functions, control over Executive. Parliamentary committees. Self-regulation.	Usage of multimedia, class activity and class assignment, discussion method.	Importance of the two Houses of Parliament. Functions and Power of the Parliament, Legislative functions, control over Executive. Parliamentary committees. Self-regulation.	Debates and group discussion on the topics , newspaper clips collection.
September	Chapter-10 Equality	Significance of Equality. What is Equality? Various dimensions of Equality. How can we promote equality	Usage of multimedia, class activity and class assignment, discussion method.	To create an awareness about the concept of equality in a democratic country and its implication in the everyday life of a citizen.	Mock drill activities and assignments.

September	Chapter-4 Executive	To create an awareness among the students about the importance of the executive branch of the government.	Class assignments, using multimedia.	The students became familiarise About the working of political and permanent executive in a democratic country .	To draw a flow chart identifying the names of different presidents and prime ministers of India.
	MID TERM	EXAMINATION ON	60% SYLLABUS		
October	Chapter-5 Judiciary	Why do we need an Independent Judiciary? Structure of the Judiciary, Judicial Activism, Judiciary and Rights, Judiciary and Parliament	Discussion method with notes on the sub topics.	To familiarise the students once more with the organs of a democratic government, to help them to get an idea about the workings of the most important judiciary organs of the country	To prepare the students for mock drill so as to make them learn about the various procedures involved in the process
October	Chapter-9 Liberty	Liberty Vs Freedom The Ideal of Freedom. What is Freedom? Why do we need constraints? Harm principle. Negative and Positive Liberty	Discussion method with notes on the sub topics. Class assignments, using multimedia.	To familiarise the students about the concept of Freedom ,its relation with liberty, John Stuart Mill’s Theory of Harm Principle, Freedom of speech and expression	Debate and discussion on the chapter
October	Chapter-11 Justice	What is justice ?Different dimensions of justice. Distributive Justice	Discussion method with notes on the sub topics.	To enlighten the students about the concept of distributive justice John Rawl ‘s theory of justice and different dimensions of justice that we find in the world	Debate and discussion on the chapter

November	Chapter-7 Federalism	What is Federalism? Federalism in the Indian Constitution, Federalism with a strong central government, conflicts in Indian Federation, Special provisions	Discussion method with notes on the sub topics. Class assignments, using multimedia.	To enable the students to know about the type of federal system we follow and its various areas of conflicts and cooperation.	Debate and discussion on the chapter ppt
November	Chapter-14 Citizenship	What is Equality? Significance of Equality, Various Dimensions of Equality, How can we promote Equality?	Discussion method with notes on the sub topics. Class assignments, using multimedia.	To make the students aware about the various criteria involved with the concept of citizenship	Debate and discussion on the chapter ppt
November	Chapter-15 Nationalism	Nation and Nationalism, Variants of Nationalism, Nationalism & Multiculturalism	Discussion method with notes on the sub topics. Class assignments, using multimedia.	To enable the students to know about the concept of nationalism and its various areas of conflicts and cooperation	Debate and discussion on the chapter ppt
December	Chapter-16 Secularism	What is Secularism? Western and Indian Perspectives of Secularism, Salient Features of Indian Secularism.	Discussion method with notes on the sub topics. Class assignments, using multimedia	To enable the students to know about the concept of secularism and its various approaches and theories involved the areas of conflicts and cooperation	Debate and discussion on the chapter ppt

COMPLETION OF THE ENTIRE SYLLABUS

**BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR - 5, DWARKA, NEW DELHI-75
CURRICULUM**

SUBJECT: Sociology
CLASS XI
TEXTBOOK: Book 1 Introducing Sociology, Book 2 Understanding Society

SESSION: 2024-25
TEACHER'S NAME: Dr. Reena Samal

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOME	ACTIVITIES
APRIL	BOOK I Ch 1 – Sociology and Society Unravelling myths about humanities at large, Sociological Imagination, Pluralities and Inequalities in Society, Biography of sociology in Europe and India, Relationship of sociology with other disciplines.	To familiarise students with sociological perspective, To help them understand how sociology as body of knowledge is distinguishable from common sense knowledge about society.	Discussion, lecture, notes, assignments, role plays in class on specific issues	Students would become familiar with sociological concepts and differentiate it from common sense knowledge.	Assignment, worksheet, Recap test
MAY	BOOK I Ch 2 Social groups in society, social stratification with specific reference to caste, class, status and role.	To understand the concepts used in sociology and various social institutions	Discussion, lecture, notes, assignments, and case studies.	Students would be able to understand various terms and concepts used in sociology.	Worksheets, Group Presentations
JULY PERIODIC TEST I					

AUGUST	<p>BOOK I Ch. 3- Understanding social institutions like family, marriage, and religion; work and economic life in relation to division of labour; concept of State.</p> <p>Book 1 Ch 4,5- Culture and its dimensions: Cognitive, Normative and Material; Ethnocentrism; Cultural change; Socialisation and its agencies. Objectivity and subjectivity in sociology, Methods of research used in sociology- Field work, social surveys, participant observations and interviews</p>	<p>To develop sociological understandings of various social institutions</p> <p>To understand the concept of socialisation and to appreciate different aspects of culture. To familiarise students with empirical research; process and tools of research</p>	<p>Discussion, lecture, notes, assignments, role plays in class on specific issues</p>	<p>Students would develop sociological understanding of various social institutions.</p> <p>Students would understand diverse aspects of culture and socialisation.</p>	<p>Assignment, worksheet, Recap test</p>
SEPT.	<p>Book 2 Ch 1- Social structure and stratification, Functionalists and conflict perspective; conflict and cooperation</p>	<p>To understand different perspectives for studying social processes.</p> <p>To introduce the idea of cooperation and competition, both as idea and practise.</p>	<p>Discussion, lecture, notes, assignments, role plays in class on specific issues</p>	<p>Students would understand diverse perspectives for studying social processes of competition, cooperation and conflict in society.</p>	<p>Assignment, worksheet, Recap test</p>
MID TERM					
SEP	<p>Book 2 Ch 2- Technology and Economy; Social order and social change in rural and urban areas; Domination, authority and law</p>	<p>To help students to look at continuity and changes in rural and urban society</p>	<p>Discussion, lecture, notes, assignments, role plays in class on specific issues</p>	<p>Students would be able to state and appreciate the continuity and changes in rural and urban society.</p>	<p>Assignment, worksheet, Recap test</p>

OCT	Book 2 Ch 3- Major environmental problems and risks; environmental problems are also social problems	To understand the fundamental relationship between environment and society in order to draw a sociological understanding of our environment	Discussion, lecture, notes, assignments, role plays in class on specific issues	Students would be able to understand the complexities of relationship between environment and society.	Assignment, worksheet, Recap test
NOV	Book 2 Ch 4- The context of sociology: Enlightenment, French revolution and Industrial revolution. Introduction to three significant western thinkers- Marx, Durkheim and Weber and their vision of sociology	To help them appreciate and understand the contributions of western sociologists	Discussion, lecture, notes, assignments, and case studies	Students would be able to understand and appreciate the contributions of western sociologists.	Assignment, worksheet, Recap test
DEC	Book 2 Ch 5- G.S Ghurye's ideas on race and caste, DP Mukherji's ideas on tradition and change, AR Desai's ideas on State, M.N Srinivas on Village	To introduce students to founding fathers of Indian Sociology and to appreciate how these scholars have helped to shape the discipline	Discussion, lecture, notes, assignments, and case studies	Students would be able to understand and appreciate the contributions and works of Indian sociologists.	Assignment, worksheet, Recap test
PT II EXAMINATION					
JAN	Revision				
FEB	Revision				
MARCH	FINAL EXAM				



**BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR 5, DWARKA, NEW DELHI -75
CURRICULUM**

**SUBJECT: ENTREPRENEURSHIP (066)
TEXT BOOK: CBSE
TEACHER'S NAME: MS. SHWETA GARG**

**CLASS XI
SESSION: 2024-25**

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
MARCH- APRIL	Unit -1 <u>Entrepreneurship –What, Why and How.</u> <ul style="list-style-type: none"> • Concept, Functions, Need &Importance. • Myths about Entrepreneurship. • Pros and cons of Entrepreneurship. • Process of Entrepreneurship. • Startup and its stages. • Entrepreneurship –The Indian Scenario 	To make students understand the concept of entrepreneurship and appreciate their need in our economy.	Discussion, lecture, Multimedia.	Students will know about the evolution of an entrepreneur and their contribution for economy.	Examples from real life.
MAY	Unit-2 <u>An Entrepreneur</u> <ul style="list-style-type: none"> • Why be an entrepreneur? • Types of Entrepreneurs. • Competencies and Characteristics: Ethical Entrepreneurship. • Entrepreneurial Values, Attitudes and Motivation. • Mindset of an employee and an entrepreneur difference. • Intrapreneur: Importance in any organization. 	To make students differentiate between various types of entrepreneurs and understand the values, attitudes and motivation required by them.	Question-Answer method, Discussion, Multimedia.	Students would be able to enlist various types of entrepreneurs on the basis of various competencies.	Case study.
JULY PERIODIC TEST I					
JULY	Unit -3 <u>Entrepreneurship Journey</u> <ul style="list-style-type: none"> • Generation of Ideas. • Feasibility Study and Opportunity Assessment. • Business Plan • Role of networking in entrepreneurship. • Execution of Business Plan. 	To make students identify the sources of business idea. To enable students to know the role of networking in entrepreneurship.	Question-Answer method, Discussion, Multimedia.	Students would be able to assess various qualities required by entrepreneurs.	Quiz.

AUGUST	<u>Unit -4 Entrepreneurship – as Innovation and Problem Solving.</u> <ul style="list-style-type: none"> • Entrepreneurs –as problem solvers. • Innovations and Entrepreneurial Ventures. • Role of Technology: E-commerce and social media. • Social Entrepreneurship – Concept and Importance. 	Student will be able to understand the role of entrepreneurs as problem solvers.	Question-Answer method, Discussion, Multimedia.	Students would be able to analyse the barriers faced by an entrepreneur and ways to overcome too.	Assignments.
MID TERM EXAMINATION					
SEPTEMBER- OCTOBER	<u>Unit-5 Understanding the, Market</u> <ul style="list-style-type: none"> • Market –Traditional and E-commerce- Concept and Role. • Micro and Macro Environment • Marketing Mix: Concept and Elements. • Pricing and Factors affecting pricing. • Market Survey: Concept, Importance and Process. 	To make students understand the concept of market and its evolution.	Question-Answer method, Discussion, Multimedia.	Students would be able to understand 4P's and their elements.	Assignment.
NOVEMBER	<u>Unit -6: Business Arithmetic</u> <ul style="list-style-type: none"> • Unit of Sale, Unit Price and Unit Cost for single product or service. • Types of Costs –Start up, Variable and Fixed. • Income Statement. • Break Even Analysis 	Students will be able to understand the concept Unit of Sale, Unit Price and Unit Cost. Calculating Break-even point	Question-Answer method, Discussion, Multimedia.	Students would be able to prepare a cost structure for their business plan.	Assignment.
DECEMBER	<u>Unit -7: Resource Mobilization</u> <ul style="list-style-type: none"> • Types of Resources –Human, Capital and other Resources. • Selection and utilization of human resources and professionals like Accountants, Lawyres, Auditors etc. 	To enable student to identify the different types of resources required.	Question-Answer method, Discussion, Multimedia.	Students would be able to analyse the role of each and every resource required for business.	Assignment.
DECEMEBER	PERIODIC TEST-II				
JANUARY	REVISION				
FEBRUARY	FINAL EXAMINATION				

PROJECT WORK:

TWO PROJECTS IN THE ENTIRE ACADEMIC SESSION

1. JOURNEY OF AN ENTREPRENEUR -10 MARKS

2. MARKET SURVEY -10 MARKS

3. VIVA - 05 MARKS

4. WRITTEN TEST -05 MARKS

SUBJECT TEACHER

BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR 5, DWARKA ,NEW DELHI
CURRICULUM

SUBJECT: PSYCHOLOGY
TEXT BOOK: NCERT
TEACHER'S NAME: MS SHUBHAM DHIR

SESSION: 2024-25
CLASS: XI

MONTH	CONTENT	OBJECTIVES	METHODOLOGY	EXPECTED LEARNING OUTCOMES	ACTIVITIES
APRIL	<p><u>Ch-1</u> What is Psychology</p> <p>INTRODUCTION TO PRACTICALS: Self Concept Questionnaire</p>	<ul style="list-style-type: none"> To understand the nature and role of psychology, its relationship with other disciplines. To appreciate the value of psychology in daily life. To explain the process of experiments. To explain the essentials of research process. 	<p>Lecture & Discussion</p> <p>Lecture and Demonstration</p>	<ul style="list-style-type: none"> The students will understand the role and application of Psychology in daily life. They will appreciate the evolutionary process of Psychology. The student will understand the procedure of experiments including hypothesis formation, administration, scoring as well as interpretation. 	<p>Assignment, worksheet</p> <p>Conduction of Practicals</p>

	<p><u>Ch-2</u> Methods of Enquiry in Psychology</p>	<ul style="list-style-type: none"> • To explain the goals and nature of psychological enquiry • To describe important methods of psychological enquiry 	<p>Lecture & Discussion</p>	<ul style="list-style-type: none"> • They will learn the ethics of experimental psychology. • They will learn the research process. • They will understand the importance of different variables in experimental process. They will learn various methods of psychological enquiry 	<p>Worksheets, Practicals</p>
<p>MAY</p>	<p><u>Ch-3</u> Bases of Human Behaviour</p>	<ul style="list-style-type: none"> • To understand the evolutionary nature of human behavior. • To explain the role of culture in shaping human behaviour. • To describe the processes of enculturation, socialisation and acculturation. 	<p>Lecture & Discussion &Multimedia</p>	<ul style="list-style-type: none"> • The students will learn biological bases of behaviour. • They will understand how culture affects individuals and how individuals affect culture. 	<p>Demonstration of videos about how neurons work</p>

JULY	Ch-4 Human Development	<ul style="list-style-type: none"> To describe the meaning and process of development To identify the stages of development and their challenges. <p>PERIODIC TEST I</p>	Lecture, Discussion & Multimedia	<ul style="list-style-type: none"> The students will learn various facets of development during different developmental stages. They will also understand various challenges during these stages. 	ASSIGNMENT WORKSHEETS REVISION THROUGH QUIZZES APP
AUGUST+ SEPTEMBER	Ch-5 Sensory, Attentional and Perceptual Processes	<ul style="list-style-type: none"> To understand the nature of sensory processes. To explain the processes and types of attention and their use in everyday life. 	Lecture, Discussion & Multimedia	<ul style="list-style-type: none"> To understand the nature of sensory processes, To explain the processes and types of attention, To analyse the problems of form and space perception, To examine the role of socio-cultural factors in perception, and To reflect on sensory, attentional and perceptual processes in everyday life. 	ASSIGNMENT WORKSHEETS DISCUSSION OF CASE STUDY BASED QUESTIONS

	Ch-6 Learning	<ul style="list-style-type: none"> To describe the nature of learning and its types. To explain various theories of learning and their determinants. <p>MID TERM</p>	Lecture, Discussion and Multimedia	<ul style="list-style-type: none"> The students will learn different models of conditioning including classical conditioning and operant conditioning. They will also learn verbal learning, insight learning and latent learning. They will also learn to implement learning principles into daily life. 	Application of learning principles, Real life examples, demonstration of videos related to learning classic experiments.
OCTOBER	Ch-7 Human Memory	<ul style="list-style-type: none"> To understand the nature of memory. To distinguish between different types of memory. To explain the nature and causes of forgetting 	Lecture and Discussion	<ul style="list-style-type: none"> The students will learn stage model of memory. They will understand role of rehearsal in transfer of memory from short term to long term. 	ASSIGNMENT, WORKSHEETS
NOVEMBER	Ch 9 Motivation and Emotion	To understand the nature of human motivation		<ul style="list-style-type: none"> The students will understand what 	ASSIGNMENT WORKSHEETS

		To describe the nature of human expression.		<p>guides people's behaviour</p> <ul style="list-style-type: none"> • They will learn to identify and modify emotions • The students will learn the theories of motivation. 	REVISION THROUGH QUIZZES APP
DECEMBER		PERIODIC TEST 2			
JANUARY FEBRUARY- MARCH		FINAL EXAMINATION			

SUBJECTTEACHER: Ms SHUBHAM DHIR, PGT Psychology