

DELHI PUBLIC SCHOOL

CHAS, BOKARO

TERM AND MONTH-WISE SPLIT-UP SYLLABI OF CLASS – XI FOR THE SESSION 2025-2026

SUBJECT: ENGLISH (LANGUAGE AND LITERATURE) Textbook: 1. HORNBILL

2. SNAPSHOTS

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
June	14	Hornbill: The Portrait of a Lady (Prose)	To understand the bond between grandmother and grandson, and to analyze emotions expressed through poetic imagery.	Relationships, Memory, Imagery, Themes of Nostalgia	Drawing a visual represent ation of a memorab le family member.	Discussing family bonds in various cultures.	Writing a personal narrative about a memorab le family member.	Watching storytelling videos or documentar ies about family relationship s.	Comparis on of prose and poetry to identify emotional expressio ns.	Understa nding the use of imagery in prose and poetry.	Understand the emotional bond between the narrator and his grandmother, highlighting family relationships and cultural values
June	14	Snapshots: The Summer of the Beautiful White Horse (Prose)	To understand themes of childhood innocence, imagination, and morality.	Innocence, Imagination, Morality	Creating illustratio ns related to the story.	Discussing childhood stories and lessons learned.	Writing about a memorab le childhoo d experienc e.	Watching videos that depict childhood innocence and morality.	Analyzing characters and moral dilemmas.	Understa nding character developm ent and ethical choices.	Learn about themes of family bonds, honesty, and innocence.
		Speech Writing	Develop the skill of writing speeches for different purposes.	Arguments, counterargument s, persuasive language, contemporary issues.	Role Play: Students perform speeches to demonstr ate understa nding of	Provide outlines for writing speeches and debates, breaking down the task into manageabl	Students write and present speeches on topics like "The Role of Technolo gy in Educatio	Research famous speeches or debates in history to understand effective rhetoric and persuasive strategies.	Conduct interactive speech- writing sessions on the smart board.	Students participat e in a mock debate on a contempo rary issue, which	Students will be able to write structured speeches and debates on given topics.

					tone and delivery	e steps	n" or "The Importan ce of Environ mental Conserva tion."			will be evaluated based on structure and argument ation.	
July	26	Hornbill: We're Not Afraid to Die if We Can be Together (Prose)	To explore human endurance, courage, and historical exploration.	Survival, Discovery, History, Resilience	Creating a collage of ancient Egyptian artifacts.	Discussing how cultures preserve history.	Preparing a project on the importan ce of preservin g historical sites.	Viewing videos on Egyptian discoveries.	Developin g critical thinking skills through historical analysis.	Understa nding persevera nce and historical significan ce.	Learn about courage, survival, and the resilience of a family during an ocean expedition.
		Gap Filling (Tenses)	Understand and apply the correct tense forms (present, past, and future). Learn the structure and usage of various clauses (noun, relative, adverbial clauses).	Tenses : Present Simple, Past Simple, Future Simple, etc.	Display charts/di agrams of sentence structure s, tense forms, and clause examples	Provide additional support for students struggling with tense rules (visual aids, real- life examples).	Create a tense- based quiz or game to reinforce concepts. Complete gap- filling exercises and transform ation tasks for homewor k.	Research various tense forms used in different languages and compare them with English	NA	Assess students' ability to correctly apply tenses and transform sentences with written and oral tasks.	Students will be able to identify and correctly apply tense forms in sentences.
July	26	Snapshots: The Address (Prose)	To understand the themes of loss, memory, and identity.	Loss, Memory, Identity	Creating a memory scrapboo k.	Discussing memories related to places.	Writing about an unforgett able place.	Viewing films or stories about identity and	Analyzing characters' emotional journeys.	Understa nding personal and cultural	Reflect on the impact of war on relationships, loss, and identity

								memory.		identity.	
Aug	22	Hornbill: The Laburnum Top (Poem)	To appreciate poetic expressions of nature and life.	Symbolism, Nature, Life, Imagery	Creating nature- themed artwork.	Discussing cultural perceptions of nature.	Writing reflective poems inspired by nature.	Interactive presentation s on poets and nature.	Identifyin g poetic devices and themes.	Appreciat ing diverse perspecti ves in poetry.	Appreciate the connection between nature and life, symbolized by the laburnum tree.
		Classified Advertisem ents	Learn to write concise and effective classified ads.	Format, categories (For Sale, To Let, etc.), brevity, clarity.	Create visual represent ations of posters for practice.	Use a mix of written and visual formats (both digital and physical posters) to cater to diverse learners.	Have students create their own advertise ments or posters for various school events or communi ty services.	Research advertising techniques and how visual elements play a role in poster design.		Students will be able to write well- structure d classified ads and posters.	
		Posters	Understand the importance of clarity and brevity in writing posters.	Layout, headline, concise information, and call to action	Use real- life examples and visuals of classified ads for better understa nding.	Allow students to critique and improve each other's classified ads and posters	Write a classified ad and a poster on a given topic.	Research advertising techniques and how visual elements play a role in poster design.		Evaluate students' ability to create concise ads and posters using peer feedback.	They will understand the format and key elements of both forms of writing.
Aug	22	Hornbill: The Voice of the Rain (Poem)	To appreciate the artistic portrayal of natural phenomena.	Personification, Natural Cycles, Imagery	Creating visual art inspired by rain.	Discussing rain as a symbol in literature.	Writing descripti ve essays about rain.	Watching nature documentar ies.	Understan ding the relationshi p between nature and literature.	Recogniz ing personifi cation and other literary devices.	Explore the cycle of rain, its personification, and the interconnection with nature.
Aug	22	Snapshots:	To examine social	Social Norms,	Performi	Discussing	Writing	Viewing	Understan	Analyzin	Explore family

		Mother's Day (Play)	issues and humor in literature.	Humor, Family Dynamics	ng dramatiz ed scenes.	gender roles and stereotypes	alternativ e endings to the play.	comedic plays for analysis.	ding satire and humor as tools for social commenta ry.	g character interactio ns and humor technique s.	dynamics, independence, and emotional connections through the role of mothers.
Sep	05	Hornbill: The Adventure (Prose)	To comprehend the concept of alternate history and scientific adventure.	Time Travel, Science Fiction, Imagination	Drawing illustratio ns of alternate realities.	Discussing inclusivity in scientific discoveries	Preparing a research paper on 'Parallel Universe s'.	Viewing science- based documentar ies.	Enhancin g creative and analytical thinking.	Understa nding scientific and philosoph ical concepts.	Understand how personal growth is shaped by exploration and adventure.
Oct	13	Hornbill: Silk Road (Prose)	To explore cultural diversity and generational conflicts.	Journey, Identity, Conflict, Reconciliation	Creating travelogu es or reconcili ation stories.	Comparing cultural journeys and their impact.	Creating dialogues between generatio ns.	Watching documentar ies about the Silk Road.	Analyzing relationshi ps and cultural interactio ns.	Understa nding cultural and familial perspecti ves.	Learn about the historical importance of the Silk Road in connecting cultures and trade.
Oct	13	Snapshots: Birth (Prose)	To understand life struggles and social realities.	Birth, Challenges, Human Emotions	Creating a project on the importan ce of empathy.	Discussing real-life incidents of overcomin g challenges.	Writing narrative s inspired by personal experienc es.	Viewing motivationa l documentar ies.	Analyzing societal expectatio ns and personal growth.	Understa nding life struggles and resilience	Reflect on the resilience and emotional journey of motherhood and the cycle of life.
Nov	22	Hornbill: Childhood (Poem)	To reflect on the themes of innocence and maturity.	Innocence, Maturity, Identity	Writing reflective poems about childhoo d.	Discussing emotional growth and identity.	Creating a presentati on on various childhoo d experienc es.	Analyzing literary works related to childhood.	Understan ding literary devices and themes of childhood.	Reflectin g on personal growth and self- awarenes s.	□ Reflect on the loss of innocence and personal growth from childhood to adulthood.
		Debate Writing	Learn to write debates, present	Arguments, counterargument	Use visuals of	Offer additional					

			arguments, and engage in critical thinking on contemporary issues.	s, persuasive language, contemporary issues.	famous speeches or debates for analysis and inspiratio n.	time or resources for students with different learning needs					
Dec	23	Hornbill: Father to Son (Poem)	To analyze generational conflicts and reconciliation.	Conflict, Reconciliation, Relationships	Creating dialogues between generatio ns.	Discussing generation al conflicts in literature.	Writing essays on father- son relations hips.	Watching videos on familial bonds.	Understan ding the resolution of conflicts through communic ation.	Appreciat ing poetic expressio n and thematic depth.	Explore the strained relationship between a father and son, focusing on generational gaps.
Jan	16	Hornbill: The Tale of Melon City (Poem)	To analyze satire and humor to convey moral messages.	Satire, Irony, Governance, Justice	Illustrati ng satirical cartoons.	Comparing satire in different literary works.	Writing a satirical poem or story.	Viewing videos analyzing satire.	Developin g critical thinking and creative expressio n.	Understa nding societal and political comment ary.	Understand the themes of justice, wisdom, and absurdity in governance and collective responsibility.

SUBJECT: MATHEMATICS

Textbook: 1.

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Month	WD	Chapter/ Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended Learning
June	14	 SETS(5) Relations & Functions(9) 	Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement. Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of	To verify distributive law for three given non- empty sets A, B and C, that is, $A \cup (B \cap$ C) = ($A \cup B$)	To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of	To verify that for two sets A and B, n (A×B) = pq and the total number of relations from A to B is 2pq, where $n(A) = p$

			reals with itself (upto R x R x R).Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions	∩ (A ∪ C)	subsets is 2 ⁿ .	and n(B) = q.
July	26	 Trigonometric Functions(12) Complex Numbers and Quadratic Equations(10) Linear Inequalities(4) 	Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin 2x + \cos 2x = 1$, for all x. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin (x\pm y)$ and $\cos (x\pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications. Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane. Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.		To represent set theoretic operations using Venn diagrams.	To identify a relation and a function.
Aug	22	 6. Permutations and Combinations(14) 7. Binomial Theorem(8) 	 Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for ⁿP_r and ⁿC_r and their connections, simple applications. Historical perspective, statement and proof of the binomial theorem for positive integral indices.Pascal's triangle, simple applications. 	To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.	To verify the relation between the degree measure and the radian measure of an angle.	To prepare a model to illustrate the values of sine function and cosine function for different angles which are multiples of π and $\pi 2$.
Sep	05	8. Sequence and Series(5)	Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M		To plot the graphs of sin x, sin 2x, 2sinx and sin 2 x, using same coordinate axes	

Oct	13	9. Straight Lines(7)10. Conic Sections(6)	 Brief recall of two dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form, Distance of a point from a line. Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle. 	To distinguish between a Relation and a Function	To inerpret geometrically the meaning of $i = -1$ and its integral powers.	
Nov	22	 11. Introduction to Three- dimensional Geometry(5) 12. Limits and Derivatives(17) 	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points. .Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative relate it to scope of tangent of the curve, derivative of sum,difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.		To verify that the graph of a given inequality, say $5x + 4y - 40 < 0$, of the form $ax + by + c < 0$, $a, b > 0$, $c < 0$ represents only one of the two half planes.	To obtain a quadratic function with the help of linear functions graphically.
Dec	23	13. Statistics(23)	Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data.	To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.	To find the number of ways in which three cards can be selected from given five cards.	To obtain formula for the sum of squares of first n-natural numbers.
Jan	16	14. Probability(14)	Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.	Constuct an ellipse with given major	To construct a parabola, Ellipse and Hyperbola.	
Feb		Revision				

SUBJECT : Physics Text Book : 1. NCERT

Month	WD / NOP	Chapter/Sub-Topics	Concepts/Key Terms/ Learning Objects	Project / Practical work	Activity/ Art Integration	Smart board
JUNE	14	Unit-I Units and Measurements Unit-II: Kinematics	 Chapter-1 Measurements: Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units; significant figures .Determining the uncertainty in result. Dimensions of physical quantities, dimensional analysis and its applications Chapter-2: Motion in a Straight Line Frame of reference, Motion in a straight line: Position-time graph, speed and velocity. Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, average speed and average velocity and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment). 	 1.To measure diameter of a small spherical/cylindric al body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume 2.To measure diameter of a given wire and thickness of a given sheet using screw gauge. 	Make a project on Different Dimensional formula of physical quantities. To study the conservation of energy of a ball rolling down on an inclined plane (using a double inclined plane).	Audio-visual Aids to explain Different type of motion.
JULY	26	Unit-II kinematics (cont.) Unit-III Laws of motion	Chapter–3: Motion in a Plane Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. Motion in a plane, cases of uniform velocity and uniform acceleration projectile motion, uniform circular motion.	3.To determine volume of an irregular lamina using screw gauge.4.To determine radius of curvature of a given spherical surface by a spherometer.	To observe the decrease in pressure with increase in velocity of a fluid.	Smart board to explain 3 Dimensional motion and for LOA.

			Chapter-4 Laws of Motion: Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.		
AUGUST	22	Unit-III Laws of motion (CONT.) Unit IV: Work, Energy and Power	Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road). Chapter–5: Work, Energy and Power: Work done by a constant force and a variable force; kinetic energy, work energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non conservative forces: motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.	 5.To determine the mass of two different objects using a beam balance. 6. To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and Sinθ. 	Audio-visual aids to demonstrate how friction works.
SEPT	05	Term I Examination Unit V: Motion of System of Particles and Rigid Body	EXAMS Chapter-6: System of Particles and Rotational Motion: Centre of mass of a two particle system, momentum conservation and center of mass motion. Centre of mass of a rigid body; center of mass of a uniform rod. Moment of a force, torque, angular momentum,		Smart board for LOA
ост.	13	Unit V: Motion of System of Particles and Rigid Body (cont.)	law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects		

			(no derivation).			
			Chapter –7: Gravitation : Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellites, energy of an orbiting satellite.		To study the factors affectin g the rate of loss of heat of a liquid.	Videos of planetary motion.
NOV.	22	Unit VI: Gravitation Unit VII: Properties of Bulk matter	Chapter –8: Mechanical Properties of Solids : Elastic behaviour, Stress - strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy.Application of elastic behavior of materials (qualitative idea only).			
			Chapter –9: Mechanical Properties of Fluids : Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity,			
DEC	23	Unit VII: Properties of Bulk Matter (cont.)	Bernoulli's theorem and its applications(Torricelli's law and Dynamic lift). Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise	7.To study the relation between frequency and length of a given wire under constant tension using sonometer.		

		Unit VIII: Thermodynamics Unit IX: Behaviour of Perfect Gases and Kinetic Theory of Gases.	Chapter-10 Thermal properties of matter Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law. Chapter-11: Thermodynamics: Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics: Thermodynamic state variable and equation of state. Change of condition of gaseous state - isothermal, adiabatic, reversible, irreversible, and cyclic processes. : chapter-12: Kinetic Theory: Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.			
JAN	16	Unit X: Oscillations and Waves	Chapter–13: Oscillations : Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M). uniform circular motion and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.	8. To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result	To study dissipati on of energy of a simple pendulu m by plotting a graph between square of amplitu de and time.	Types of wave motion by videos.

		Chapter–14: Waves: Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.		
FEB	TERM II EXAMINATION			

SUBJECT: CHEMISTY

Textbook: 1. NCERT

- 2. ABC of Chemistry3. Comprehensive Chemistry Practical

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24						•				
May	08										
June	14	SOME BASICS Concepts of Chemistry	General Introduction : • Importance and scope of chemistry. • Atomic and molecular masses. • Mole concept and molar mass • Percentage composition • Empirical and molecular formula • Chemical reactions, stoichiometry and calculations based on stoichiometry • Concentration of solutions	: • Importance and scope of chemistry. • Atomic and molecular masses. • Mole concept and molar mass • Percentage composition • Empirical and molecular formula • Chemical reactions, stoichiometry and calculations based on stoichiometry •	Solve numerical by using log table		General Introduction : • Importance and scope of chemistry. • Atomic and molecular masses. • Mole concept and molar mass • Percentage composition • Empirical and molecular formula • Chemical reactions, stoichiometry and calculations based on	Prepare a comprehensive Chart for Laws of chemical combination			

				Concentration of solutions		stoichiometry • Concentration of solutions			
July	26	ATOMIC STRUCTURE	Discovery of electron proton and neutron, atomic number, Isotopes, Isobars, Thompsons model of an atom, Rutherford model of an atom and its limitations, Bohr model of an atom and its limitations, concepts of shells and subshells, dual character of an electron, Debroglie relationship, Heisenbergs uncertainty principle, concepts of orbitals, quantum numbers, .s, p.d, f orbitals, rules for filling electrons in orbitals- Afbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half- filled and completely filled orbitals.	Explanation of Discovery of electron proton and neutron, atomic number,Isotop es,Isobars,Tho mpsons model of an atom,Rutherfo rd model of an atom and its limitations,Bo hr model of an atom and its limitations.co ncepts of shells and subshells,dual character of an electron,Debr oglie relationship,H eisenbergs uncertainty principle,conc epts of orbitals,quant um numbers,.s.p,d ,f orbitals,rules for filling electrons in orbitals-Afbau principle,Pauli 's xclusion principle and Hund's rule,electronic configuration		Quantitative Estimation i. Using a mechanical balance/electr onic balance. ii. Preparation of standard solution of Oxalic acid. iii. Determination of strength of a given solution of Sodium hydroxide by titrating it against Standard solution of Oxalic acid.	Prepare the list of Metals and Nonmetals with pebbles and colour it.		

Classification of Elements and Periodicity in Properties in Properties and Periodic table. Periodic table. Per	Classification of Elements and Periodic law and the present form of periodic table. Periodic incircatii, inert gas radii, incircatii, inert gas radii, intert gas
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Aug	22	Chapter: Chemical Bonding & Molecular Structure Chemical Thermodynami cs:	Octet rule • Valence electrons • Types of chemical bonding • Ionic bond • Covalent bond and their examples • Lewis dot structure • Polar character of covalent bond • Covalent character of ionic bond • Valence bond theory, resonance • Geometry of covalent molecules • VSEPR theory • Concept of hybridization, involving s. p and d-orbitals, • Shapes of some simple molecules. • Molecular orbital theory of homo nuclear diatomic molecules (qualitative idea only)Concepts of System and types of systems • 	Make a list of different types of Enthalpy change on chart paper and do their comparison	iv. Preparation of standard solution of Sodium carbonate. v. Determination of strength of a given solution of hydrochloric acid by titrating it against Standard Sodium Carbonate solution. Crystallization of impure sample of any one of the following: Alum, Copper Sulphate, Benzoic Acid	Make use of Free Energy in day to day life		

			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 nonspontaneous processes. • Third law of thermodynamics (brief introduction)						
Sep	05	REVISION OF T	ERM 1						
Oct	13	Equilibrium & Ionic Equ.	Equilibrium in physical and chemical processes • Dynamic nature of equilibrium • Law of mass action • Equilibrium constant • Factors affecting equilibrium – Le Chatelier's principle • Ionic equilibrium Equilibrium in physical and chemical processes • Dynamic nature of equilibrium • Law of mass action • Equilibrium constant • Factors affecting equilibrium – Le Chatelier's principle • Ionic equilibrium Ionization of acids and bases, strong and week electrolyte, degree of ionization, ionization of	Equilibrium in physical and chemical processes • Dynamic nature of equilibrium • Law of mass action • Equilibrium constant • Factors affecting equilibrium – Le Chatelier's principle • Ionic equilibrium	. Make a model of Lechateliers Principle	Crystallization of impure sample of any one of the following: Alum, Copper Sulphate, Benzoic Acid.	Make use of Free Energy in day to day life Prepare a model for PPT ie Ionic product and solubility product		

			polybasic acids, concept of pH, hydrolysis of salts, buffer solution, Henderson equation, solubility product, ionic product, common ion effect						
Nov	22	Chapter : Redox Reactions Chapter: Organic Chemistry: Some basic Principles and Techniques	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. Application of redox reactions Method of purification (qualitative and quantitative) Iupac nomenclature, reaction mechanism,inductive effect,electromeric effect,hyperconjugative effect,bond fission homolyptic and heterolyptic and types of organic reactions. Carbocation, Carboanion, electrophiles, nucleophilis	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. Application of redox reactions	. <u>Construct a</u> <u>model of an</u> <u>Elecrochemic</u> <u>al cell</u>		Establish Nerst equation on Chart Papers.		
Dec	23	HYDROCARB ONS	 Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes – Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions. Alkenes & Alkynes • Nomenclature, structure of double bond (ethene), triple bond (ethene), triple bond (ethyne) Friedel Craft's alkylation and acylation • Directive influence of functional 	Geometrical isomerism • Physical properties, methods of preparation Chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov 's addition	Make a chart of cis isomers and trans isomers. Prepare a list of NAME reactions.	Detection of - Nitrogen, Sulphur, Chlorine in organic compounds.	Play an act for Isomerism.		

	group in monosubstituted	and peroxide	1			
	benzene.	effect).				
	Carcinogenicity and	ozonolysis				
	Careful genietty and	02011019515,				
	toxicity.	oxidation,				
		mechanism of				
	Detection of -Nitrogen.	electrophilic				
	Sulphur Chloring in	addition •				
	Sulphui, Chiorme in					
	organic compounds.	Alkynes –				
		Nomenclature				
		, structure of				
		triple bond				
		(othyma)				
		(euryne),				
		physical				
		properties,				
		methods of				
		preparation				
		proputation,				
		chemical				
		reactions:				
		acidic				
		character of				
		alkynes				
		arkynes,				
		addition				
		reaction of –				
		hydrogen,				
		halogens.				
		hydrogen				
		nandes and				
		Introduction,				
		IUPAC				
		nomonoloturo				
		of benzene •				
		Resonance •				
		Aromaticity,				
		chemical				
		properties.				
		• Machaniam				
		• Mechanism				
		ot				
		electrophilic				
		substitution.				
		Nitration •				
		Sulphonetion				
		Sulphonation				
		•				
		Halogenation				
		-				
		Friedel Craft's				
		allegion and				
		alkylation and	1			

			acylation • Directive influence of functional group in monosubstitut ed benzene. • Carcinogenicit y and toxicity. Friedel Craft's alkylation and acylation • Directive influence of functional group in monosubstitut ed benzene. • Carcinogenicit y and toxicity.	
Jan	16	REVISION		
Feb		TERM II EXAM.		
March				

SUBJECT: BIOLOGY

Textbook: 1. NCERT

2.mtg

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activit y	Competenc y Based Activity Learning	Learning Outcomes
April	24										
May	08										
June	14	Unit-I Diversity of Living Organisms	1. Acquisition of knowledge The student will be able to know about 1.taxonomical hierarchy	Chapter-1: The Living World Biodiversity; Need for classification; three domains of life; concept of species and taxonomical hierarchy; binomial nomenclature.	Activity – Making a Herbarium File		B.1 Parts of a compound microscope. B.3 Virtual specimens/slides /models and identifying features of -		Quiz and Video	LOA & WORKSH EET Question on * High	The student will be able to know and learn about 1.Binomial classification 2.Salient feature of Monera, protista and fungi 3.salient feature of different phylum The students will be able to

			 2. kingdom classification 3. Salient features and classification of animals 2.Development of understanding: To enable students to understand 1.Need of classification 2.Five kingdom of classification 3.characterstics of Vertebrate and non vertebrates 	Chapter-2: Biological Classification Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids . Chapter-4: Animal Kingdom Salient features and classification of animals, non-chordate up to phyla level and chordates up to class level (salient features and distinguishing features and a few examples of each category). (No live animals or specimen should be displayed.)		Amoeba, Hydra, liverfluke , Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit. A7 Test for the presence of sugar, starch, protein and fats in suitable plant and animal materials.		order thinking * Assertion and Reasoning * Picture based Questions	<pre>understand the difference between 1. Virus and viroid 2. chordates and non-chordates The student will able to Develop the skill of identification different species .</pre>
July	26	Unit-II Structural Organization in Animals and Plants	 1. Acquisition of knowledge The student will be able to know about 1. salient feature of Algae, Bryophyta, Pteridophyta and Gymnospermae 2. different parts of flowering plants, roots, stem, leaf 3. Anatomy and functions of tissue system in dicot and monocot 2.Development of	Key point : Chapter-3: Plant Kingdom Classification of plants into major groups salient and distinguishing features and a few example of-Algae, Bryophyta, Pteridophyta and Gymnospermae. Chapter-5: Morphology of Flowering Plants Morphology of different parts of flowering plants, roots, stem, leaf, inflorescence flower and seed. Description of family: Solanaceae	Activity : <u>Make a</u> <u>bouquet of</u> <u>flowers</u> <u>using</u> <u>paper</u> <u>cutting /</u> <u>origami &</u> <u>decorative</u> <u>materials.</u> <u>The</u> <u>flowers to</u> <u>belong to</u> <u>various</u> <u>inflorescen</u> <u>ce</u> <u>categories</u>	B.2 Specimens/slides /models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledono us plant, one dicotyledonous plant and one lichen. A1 Study and describe a locally available common	Quiz and Video	LOA & WORKSH EET Question on * High order thinking * Assertion and Reasoning * Picture based Questions	The student will be able to know and learn about 1.distinguishing features and a few example of-Algae. Bryophyta, Pteridophyta and Gymnospermae. 2. inflorescence flower and seed. 3. Anatomy and functions of tissue system in dicot and monocot . The students will be able to Understand the Anatomy and functions of tissue system in dicot and monocot The student will able to Develop the skill of figure

			understanding: To enable students to understand Morphology and Anatomy of flowering plants Anatomy and morphology of Frog	Chapter-6: Anatomy of flowering plants: Anatomy and functions of tissue system in dicot and monocot Chapter-7: Structural Organization in Animals Morphology, anatomy and function of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog		flowering plant, from any one family: Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams). Types of root (tap and adventitious) types of stem (herbaceous and woody) leaf arrangement, shape, venation, simple and compound. A2 Preparation and study of TS of dicot and monocot roots and stems (primary) B5 Different types of influences (cymose and racemose)				
Aug	22	Unit-III Cell: Structure and Function	1. Acquisition of knowledge The student will be able to know about	Chapter-8: Cell-The Unit of Life Cell Theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic	Make 3D models of biomolecu les using balls & sticks	osmosis by Potato osmometer. A4 Study of plasmolysis in epidermal peels	Group Project : Make a ppt presentation on PHASES OF CELL CYCLE	Quiz and Vid eo	WORKSH EET Question on	Ine student will be able toknow and learn about1.Cells structure and itsfunction2.carbohydrates3. proteins4.aminoacids

			1. structure of prokaryotic and eukaryotic cells 2. structure and function ER Gogi bodies Lysosome Mitochondria Ribosome 3.chemical constituents of living cells and their structure 4. Mitosis and its significance 2.Development of understanding: To enable students to understand structure of 1.Mitochondria 2.Chloroplast 3.DNA 4. Mitosis 5. meiosis	cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, Golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus. Chapter-9: Biomolecules Chemical constituents of living cells: Biomolecules and its structure Structure and types of enzymes, Chapter -10: Cell Cycle and Cell Division Cell cycle, Mitosis Meiosis and their significance			(eg. Rhoeo/Lily leaves or flashy scale leaves of onion bulb.) Mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides			* High order thinking * Assertion and Reasoning * Picture based Questions	5.Enzymes 6.Nucleic acids 7. mitosis and meiosis The students will be able to Understand the different cell organelles Phases of cell cycle The student will able to Develop the skill of figure.
Sep	05			REV	ISION F	OR TER	M-I EXAM	INATION			
Oct	13	Unit -IV Plant Physiology	1. Acquisition of knowledge The student will be able to know about 1. <u>biosynthetic</u> phases of photosynthesis 2. <u>cyclic and non</u> - <u>cyclic</u> photophosphoryl ation	Key point : Chapter -11: Photosynthesis in Higher Plants Photosynthesis as a means of autotrophic nutrition; site of photosynthesis. pigments involved in photosynthesis (elementary idea);					Quiz and Vid eo	LOA & WORKSH EET Question on * High order thinking * Assertion and	The student will be able to know and learn about 1. biosynthetic phases of photosynthesis 2. cyclic and non -cyclic photophosphorylation 3. C3 and C4 pathways 4. Glycolysis 5. TCA cycle & electron transport system The students will be able to understand the different

			3. : C3 and C4 pathways 4. Glycolysis 5. TCA cycle & electron transport system 2.Development of understanding: To enable students to understand 1. cyclic and non -cyclic photophosphoryl ation 2. TCA cycle & electron transport system	photochemical and biosynthetic phases of photosynthesis; cyclic and non -cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis Chapter-12: Respiration in Plants cellular respiration, glycolysis fermentation (anaerobic) TCA cycle & electron transport system (aerobic) energy relations- number of ATP molecules generator, amphibolic pathway, respiratory quotient.					Reasoning * Picture based Questions	pathways use by plants for photosynthesis And Cellular respiration during aerobic and anaerobic condition The student will able to Develop the skill of figure and flow chart
Nov	22	Unit IV and Unit -V	1. Acquisition of knowledge The student will be able to know about 1.plants growth and hormone 2. <u>Respiratory</u> <u>system in</u> <u>humans</u> 3.composion of blood 4. structure of human heart 5. cardiac cycle.	Key point : Chapter-13: Plant- Growth and Development Seed germination, phases of plant growth and plant growth rate, condition for growth, differentiation, dedifferentiation, redifferentiation, sequence of developmental processes in a plant cell,	Activity : Paper presentatio n on Transport of gases 1.CO2 2. O2		Group Project : Make a ppt presentation on <u>disorders related</u> to respiration - <u>asthma,</u> <u>emphysema,</u> <u>occupational</u> <u>respiratory</u> <u>disorders.</u>	Quiz and Vid eo	LOA & WORKSH EET Question on * High order thinking * Assertion and Reasoning * Picture based	The student will be able to know and learn about .plants growth and hormone 2. <u>Respiratory system in</u> <u>humans</u> 3.composion of blood 4. structure of human heart 5. cardiac cycle. The students will be able to Understand the mechanism of Phytohormone and its function 2. mechanism of breathing 3. transport of gases 4. <u>disorders related to</u> <u>respiration</u> <u>5.ECG</u>

		2.Development	plant Growth regulators				Questions	6. Double circulation
		of	<u>- auxin, gibberellin,</u>					The student will
		To enable	<u>cytokinin, ethylene,</u>					able to Develop the skill of
		students to	ADA.					figure
		understand						-
		1.Phytohormone	Chapter -14:					
		and its function	Breathing and					
		2. mechanism of breathing	Exchange of Gases					
		3. transport of	Respiratory organs in					
		gases	animals (recall only);					
		4. disorders	Respiratory system in					
		related to	breathing and its					
		5.ECG	regulation in humans -					
		6. Double	exchange of gases,					
		circulation	transport of gases and					
			regulation of					
			respiration, respiratory					
			volume; disorders related					
			emphysema, occupational					
			respiratory disorders.					
			Chapter -15: Body					
			Fluids and Circulation					
			<u>Composition of blood</u> , blood groups coagulation					
			of blood; composition of					
			lymph and its function;					
			<u>human circulatory system -</u>					
			Separation of plant					
			pigments through paper					
			chromatography.					
			heart and blood vessels;					
			output, ECG; double					
			circulation; regulation of					
			cardiac activity; disorders					
			or circulatory system -					
			artery disease, angina					
			pectoris, heart failure.					
		1. Acquisition	Key point •	Activity :		Ouiz	LOA &	The student will be able to
Dec	23	of knowledge		Paper		and	WORKSH	know and learn about
		The student		presentatio		und	EET	have and rear in about

	will be able to	Chapter-16: Excretory	n on		Vid		1.Nitrogenous waste in
	know about	Products and their	Structure		eo	Ouestion	different organism
	1. Nitrogenous	Elimination Modes of	of		•••	on	2. Osmoregulation regulation of
	waste in	excretion –	1.Nephron			,	kidney function
	different	Ammonotelism,	2.Axial			* High	4. Types of movement
	organism	ureotelism, uricotelism;	bone			order	5. muscle contraction
	2.Osmoregulatio		3.Types of			thinking	6. skeletal system and its
	n regulation of	<u>human excretory system –</u>	ioints			unning	function
	kidney function	structure and function;	J • • • • •			* Assertion	7. generation and conduction of
	4. Types of	urine formation,				and	<u>nerve impulse</u>
	movement	osmoregulation; regulation				Reasoning	
	5. muscle	<u>of kidney function - renin -</u>				8	The students will be able to
	contraction	angiotensii, atria				* Picture	understand
	<u>6. skeletal</u>	and diabetes insinidus: role				based	the mechanism
	system and its	of other organs in				Questions	1.Urine formation
	function	excretion: disorders -				-	2. <u>Generation and conduction of</u>
	<u>7. generation and</u>	uremia, renal failure, renal					nerve impulse
	nerve impulse	calculi, nephritis; dialysis					<u>3. Types of Joints</u>
	<u>nerve impuise</u>	and artificial kidney,					
	2 Development	kidney transplant					The student will
	of						able to Develop the skill of
	understanding:	Chapter-17:					figure
	To enable	Locomotion and					liguie
	students to	Movement					
	understand	Types of movement,					
	the mechanism	Cilliary, flagellar,					
	1.Urine	muscular, skeletal, muscle,					
	formation	contractile protein and					
	2.Generation and	muscle contraction,					
	conduction of	skeletal system and its					
	nerve impulse	<u>nunction; joints, disorder or</u>					
		system-myasthenia gravis					
		tetany, muscular					
		dystrophy, arthritis,					
		osteoporosis gout.					
		<u>Chapter-18: Neural</u>					
		<u>Control and</u>					
		<u>Coordination</u>					
		Neuron and nerves;					
		inervous system in humans					
		<u>- central nervous system;</u>					
		and visceral nervous					
		system; generation and					
		conduction of nerve					
		impulse					

Jan16Ine student wilb e able to know aboutKey point : Chapter-19: Chemical Coordination and Ingentes Endocrine Endocrine glands and hormones; human pineal, hyroid, a.7.Pincal, pineal, hyroid, action (elementary idee); a cole of hormones as role of hormones and oneActivity : Paper Paper presentatio non any oneQuiz and resentatio non any one* High order disorder.The student will be all know and learn about s.6.GonadsJan16S.Development of understanding; to enable cretinism, of hormones as mechanism of disorder.Activity : Paper paper presentatio non any onePainter paper paper presentatio non any onePainter paper paper paper presentatio non any onePainter paper paper paper hormones as mesengers and regulators, hormones as disorder.Painter paper paper hormones as hormones as hormones as hormones as hormones as hormones as disorder.The student will be all paper hormones as hormones as hormones as hormones as hormones as hormones as hormones as hormones as <br< th=""></br<>

SUBJECT: Information Practice (065)

Textbook : 1. Informatics Practices with Python by Preeti Arora

Month	WD	Chapter/Sub-Topics	Key Terms and Concept	Art Integration	Project / Practical	Research Work Blended earning
JUNE	14	 UNIT 1: Introduction to Computer System: Introduction to Computing, evolution of computer devices, components of a computer system and their interconnection, input/output devices Computer Memory: Units of memory, types of memory primary and secondary, data deletion, its recovery and related security concerns. 	 Computer evolution Computer devices Computer memory Software and its types 	Make a project using waste computer device.	Identifying various components of Computer. Students will check the hardware specification of their devices and check the performance of device.	 To impart knowledge and information regarding fundamental concept of Computer. Assessment after completion of the chapter.

		• Software: purpose and types – system and application software, generic and specific purpose software				
JULY	26	 UNIT 2: Introduction to Python:- Basics of Python programming, execution modes: - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expression evaluation. comments, input and output statements, data type conversion, debugging. Control Statements: if-else, if-elif-else, while loop, for loop Lists: list operations-creating, initializing, traversing and manipulating lists, list methods and built-in functions - len(), list(), append(), insert(), count(), index(),remove(), pop(), reverse(), sort(), min(), max(), sum() 	 Python introduction Keywords and operators Conditional statements Iterative statements List 	Make a maze puzzle which follows the flow of control and there will be one way to reach on center of the maze.	Identify program writing concepts, learn syntax to write python programs.	Clarity of Concept through thought- provoking quizzing, critical thinking, logical reasoning, comprehending, high order thinking, assertion and reasoning, case- based, oral drilling etc.
AUG	22	 UNIT 2: Introduction to Python (Cntd.) Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del, clear() 	DictionaryFunctions of dictionary	-	 Identify program writing concepts, learn syntax to write python program Assignment based on functions of dictionary 	• Students will understand about programming language and how to write it. Students will understand how to use dictionary functions to write a program.
SEPT	5+7=12		Revisi	on		
ост	13	 Unit 3: Database concepts and the Structured Query Language Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL, Data Types 	 Introduction Need and importance of DBMS Keys of DBMS Types of DBMS Keys in MySQL Types of language Data types 	Prepare a project report on how students data is maintained in school.	 Identify concepts of writing query Assignment based on various types of query 	Students will understand about database and how to write query. Students will understand how the database work does, how data gets saved and retrieved.
NOV	22	 Unit 3: Database concepts and the Structured Query Language (Cntd.) Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL 	• Introduction of DDL and DML	-	 Identify concepts of writing query Assignment based on various types of query 	Students will understand about database and how to write query. Students will understand how the database work does, how data gets saved and retrieved.

		• Data Manipulation: INSERT, DELETE, UPDATE				
DEC	23	 Unit 4: Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing Immersive experience (AR, VR), Robotics, Big data and its characteristics Internet of Things (IoT), Sensors, Smart cities Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology. 	 Introduction of AI and NLP IoT Cloud computing 	Make a robot using waste material and write a code to make the robot walk and talk.	 Identify concepts of AI New technologies to be explored 	Students will understand about new technologies. How does the robots work and built.
JAN	16		REVISION FOR ANN	UAL EXAMINATI	ON	
FEB	7		REVISION FOR ANN	UAL EXAMINATI	ON	

SUBJECT : ECONOMICS

Text Book : 1, NCERT 2.V.K GLOBAL 3. SANDEEP GARG

Month	W D	Chapter/Sub- Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching/ Subject Integrati on	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competen cy Based Activity Learning	Learning Outcomes
June	14	PART A Statistics for Economics Unit 1: Introduction What is Economics? Meaning, scope, functions and importance of statistics in Economics									

June	Part B: Introductory Microeconomics Unit 4: Introduction Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost,	1.Acquisition of knowledge To enable students: to understand the basic concepts and principles of microeconomics and macroeconomics, 2.Development of understanding: to distinguish between microeconomics and macroeconomics, 3.Development of skills to identify the scope and limitations of microeconomics, and macroeconomics, to appreciate the relevance and applications of microeconomics in real-world situations.	scarce resources production, consumption , and distribution collecting, analyzing, and interpreting households and firms, including inflation, unemployme nt, and economic growth	Students can create infographics on topics such as the production possibility frontier, opportunity cost, or the central problems of an economy, They can use images and graphics to make these concepts more accessible and engaging, Artistic representation of economic concepts: Students can create artwork that represents economic concepts, For example, they can create a painting that represents the idea of opportunity cost	Integratio n with Mathemat ics	Draw a diagram and graphical presentation of PPC	This research could delve into the different ways in which micro and macroeconomic approaches to resource allocation decisions consider the concept of opportunity cost, The study could analyze how microeconomic principles focus on individual decision-making processes, considering the trade-offs involved in the allocation of limited resources for individual consumers, firms, or markets, On the other hand, macroeconomic principles address resource allocation decisions on a broader scale, analyzing the aggregate effects of decisions made by governments, institutions, and the global economy,	Revision and Quiz	Q & A LOA	Students will be able to explain what economics is and how it relates to the study of human behavior, Students will be able to describe the different branches and fields of economics, Students will be able analyze how statistics is used to collect, analyze, and interpret economic data Students will be able evaluate the role of statistics in informing economic policies and decision- making, Students will be able demonstrate an understanding of the importance of statistical methods in economics research and analysis, Students will be able to define and differentiate between
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		OPPORTUNITY COST Anterne Kanadar Syntady Metadadi Cale			microeconomic s and macroeconomic s,
		Nation (hardisa) (ha			Students will be able to identify the key
		or a sculpture that represents			concepts of
		the production possibility			s, such as
		frontier, This can be a			demand, market
		creative way to			consumer behavior and
		students and			firm behavior,
		understand the			Students will be able to explain
		concepts better,			the relationship between
					microeconomic s and
					macroeconomic s and how they
					relate to each other in the
					overall economy,
					Students will
					be able to analyze and
					evaluate
					economic issues and
					policies from
					both a microeconomi
					c and
					macroeconom
					ic perspective,

July	26	Unit 2: Collection, Organization and Presentation of data Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation, Organisation of Data: Meaning and types of variables; Frequency Distribution, 3 Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph),	 1.Acquisition of knowledge To enable students: to understand the importance of data: Students should understand the importance of data in decision-making, problem-solving, and planning, 2.Development of understanding: to identify and select appropriate methods for collecting data, such as surveys, experiments, and observations, to organise data using appropriate techniques such as tables, graphs, and charts, 3.Development of skills to analyse data using appropriate statistical methods, such as measures of central tendency and variation, to present data in a clear and effective way, using appropriate visual aids such as graphs, charts, and tables, to effectively communicate the results of their data analysis, both verbally and in writing, 	Collection,O rganisation,p resentation,C ensus of India,NSSO Geometric forms (bar diagrams and pie diagrams), Frequency diagrams (histogram, polygon and Ogive) ,Arithmetic line graphs (time series graph),	Artistic data collection: students to collect data in an artistic way, such as through sketches or paintings, For example, they can observe their surroundings and draw the different types of vehicles they see on the road, This activity will help them understand the concept of primary data collection and sampling, Data mapping:	Collection of data - sources of data - primary and secondary to be integrated with data handling .	Make a project on NSSO and Census	The research is expected to reveal the most accurate and efficient sampling method for collecting data in market research, Additionally, the study will provide insights into the importance of sample size, sample selection, and data collection methods in market research,	Revision and Quiz	Q & A LOA	Ability to collect and organise data: Students should be able to collect data using appropriate methods and organise it using appropriate techniques, Ability to analyse data: Students should be able to analyse data using appropriate statistical methods, and interpret the results, Ability to present data effectively: Students should be able to present data effectively: Students should be able to present data in a clear and effective way, using appropriate visual aids, Ability to communicate results: Students should be able to effectively communicate the results of their data analysis, both
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					understand the concept of secondary data collection and the importance of data organization, Collaborative Graphing: You can divide your class into groups and ask them to create different types of graphs, such as bar diagrams, pie diagrams, or frequency histograms, Once each group has created their graph, they can collaborate to compare and contrast their results, This activity will help them understand the concept of data presentation,						in writing, Ability to use data for decision- making: Students should be able to use data to make informed decisions and solve problems,
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Aug	22	Unit 5: Consumer's Equilibrium and Demand Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis, Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map)	 1.Acquisition of knowledge: To enable students: to understand the concept of consumer's equilibrium: To define and explain the concept of consumer's equilibrium, which refers to the point where a consumer maximizes their utility (satisfaction) subject to their budget constraint, 2.Development of understand the law of demand: Students should understand the law of demand, which states that the quantity demanded of a good or service will decrease as its price increases, 3.Development of skills to make them understand how changes in these variables affect the quantity demanded of a good or service, and how this relates to the consumer's budget constraint, 	Utility, Marginal Utility, Budget Set, Budget line, Indifference Curve, indifference map	Art History Project: Students can create an art history project by studying different art movements, styles, and artists from different time periods, They can create a timeline or a visual representation Different time periods, They can create a stimeline or a visual representation different time periods, They can create an art and math project: Students can create an art and math project by exploring the relationship between art and math, They can use mathematical principles, such as symmetry, patterns, and	: Consumer 's Equilibriu m and Demand Consumer 's equilibriu m - meaning of utility, marginal utility, law of diminishi ng marginal utility,to be integrated with marketing and Business Studies	Make a project on consumer,s utility and marginal utility with two commoditie s	How do changes in income affect the consumer's equilibrium level of consumption and the demand for different goods? How do changes in the price of one good affect the demand for that good and the demand for other goods? How do income and substitution effects interact in determining the consumer's response to a change in the price of a good? How does the shape of the indifference curves affect the consumer's equilibrium, and how does this vary across different types of goods? How do different assumptions about consumer preferences, such as the presence of complementarity or substitutability between goods, affect the results of the analysis?	Revision and Quiz	Q & A LOA	Students will be able to analyze the behavior of consumers when faced with changes in prices and incomes, Students will be able to analyze market demand, which is the total quantity of a good or service that all consumers in a market are willing and able to buy at a given price, they should be able to explain the factors that determine market demand and how changes in these factors affect market equilibrium Students will be able to apply the concepts of consumer's equilibrium and demand to real-world situations, they should
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		geometry, to create their own artwork or analyze the artwork of others,			be able to analyze the effects of government policies, such as taxes or subsidies, on consumer behavior and market outcomes
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Sept 0	05	conditions of consumer's equilibrium, Demand, market demand, market demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method,	 I.Acquisition of knowledge To enable students: to understand the concept of consumer's equilibrium and the conditions for its attainment, to understand the concept of demand and market demand, 2.Development of understanding: to identify and explain the determinants of demand and how they affect the demand for a good or service, to understand the demand schedule and demand curve and their relationship, to understand the slope of the demand curve and its interpretation, 3.Development of skills to distinguish between movements along and shifts in the demand curve and the factors that cause each of them, to understand the concept of price elasticity of demand, and its importance, to identify the factors that affect the price elasticity of demand, to know the methods used to measure price elasticity of demand, including the 	Demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand		conditions of consumer's equilibriu m, Demand, market demand, determina nts of demand, determina nts of demand, determina nts of demand schedule,t o be integrated with demand pattern of our market			Revision and Quiz	Q & A LOA	Students will be able explain the concept of consumer's equilibrium and the conditions required for it to be achieved, Students will be able analyze the determinants of demand and their impact on the demand for a product, Develop a demand schedule and demand curve and interpret their relationship, Students will be able differentiate between movements along and shifts in the demand curve, and explain the factors that cause each of them, Students will be able interpret the slope of the demand curve
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		percentage-change								and its	
		method and the total								significance,	
		expenditure method,								the sensent of	
										the concept of	
										plice	
										domand and	
										its importance	
										in decision-	
										making	
										Students will	
										be able	
										identify the	
										factors that	
										affect price	
										elasticity of	
										demand and	
										how they	
										influence	
										demand,	
										Measure price	
										elasticity of	
										demand using	
										various	
										including the	
										nercentage-	
										change	
										method and	
										the total	
										expenditure	
										method,	
										Apply the	
										concepts of	
										demand and	
										price	
										elasticity of	
										demand to	
										real-world	
										decision	
										making	
										processes.	
 			n T	VISION FOD TI	 Іртерлі і	TEN A NATNI A TET			<u> </u>	,	
	KEVISION FOR THE TERMI-TEXAMINATION										
Oct	13	Unit 3: Statistical Tools and Interpretation Measures of Central Tendency- Arithmetic mean, median and mode Correlation – meaning and properties, scatter diagram;,	 1.Acquisition of knowledge To enable students: to understand the concept of central tendency and its measures such as arithmetic mean, median and mode, Learn how to calculate measures of central tendency and interpret their results, 2.Development of understanding Understand the properties and significance of correlation analysis, Learn how to create and interpret scatter diagrams 	Mean,Media n,Mode,Mea sures of Central Tendency	Use movement and music to illustrate how measures of central tendency and correlation work, student can create a dance or theatrical performance that shows how the mean, median, and mode can be used to analyze data, For example, you can create a dance performance that uses different movements to represent the different measures of central tendency,	Statistical Tools and Interpretat ion Measures of Central Tendency - Arithmeti c mean, median and mode Correlatio n – meaning and properties, scatter diagram to be integrated with Math	Make a project on a chart paper regarding scattered diagram	N,A,	Revision and Quiz	Q & A LOA	Ability to define central tendency and explain the differences between arithmetic mean, median and mode, Proficiency in calculating measures of central tendency and interpreting their results, Knowledge of the properties of correlation analysis and ability to interpret the strength and direction of correlations, Ability to create scatter diagrams and interpret their meaning in relation to correlation analysis,
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Nov	22	Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation, Introduction to Index Numbers - meaning, types - wholesale price index, consumer price index and index of industrial production, uses of index numbers; Inflation and index numbers	To enable students: to understand the concept of correlation and its importance in statistics, to learn about Karl Pearson's method for measuring correlation between two variables with ungrouped data, 3.Development of skills to understand the concept of Spearman's rank correlation and its applications to introduce the concept of index numbers and its importance in economics to learn about different types of index numbers, including wholesale price index, consumer price index, and index of industrial production to understand the uses of index numbers in measuring inflation and economic growth	Index Numbers - meaning, types - wholesale price index, consumer price index and index of industrial production, uses of index numbers; Inflation and index numbers		Introducti on to Index Numbers - meaning, types - wholesale price index, consumer price index and index of industrial productio n, uses of industrial productio n, uses of index numbers; Inflation and index numbers to be integrated with Business Studies.	Make a project on Karl's Pearson's method	N,A,	Revision and Quiz	Q & A LOA	Understand the meaning and importance of correlation in statistical analysis, Be able to apply Karl Pearson's method for calculating the correlation coefficient between two variables with ungrouped data, Understand the concept of Spearman's rank correlation and be able to apply it to real-world data, Understand the concept of index numbers and its importance in measuring economic trends, Students will be able to differentiate between different types of index numbers and its ir
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										Understand how index numbers can be used to measure inflation and economic growth and be able to interpret index number data to draw conclusions about economic trends,
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Pec 23	Unit 6: Producer Behaviour and Supply Forms of Market and Price Determination under Perfect Competition with simple applications, Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply, Simple Applications of Demand and Supply: Price ceiling, price floor, supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage- change method,	<i>Io enable students:</i> 1.Acquisition of knowledge to understand the production function and the factors of production that determine a firm's output, 2.Development of understanding: to define and explain the concepts of total product, average product, and marginal product, and marginal product, average product, and marginal product, and marginal product, and marginal product, and how it varies over the short and long run, 3.Development of skills to define and explain the concepts of total cost, total fixed cost, total variable cost, average cost, average fixed cost, average fixed cost, average variable cost, and marginal cost, to analyze the relationship between these cost concepts, and how they vary over the short and long run, to understand the concept of revenue, and distinguish between total, average, and marginal revenue, to analyze the relationship between	Demand and Supply: Price ceiling, price floor, supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply;	refret Corpetion Market roo illustrate the concept of market equilibrium and the effects of shifts in demand and supply, the artist could create a series of before-and- after images that show how changes in consumer demand or production costs can impact the market price and quantity of a good or service, For example, one image could show a crowded farmers' market with high prices due to a shortage of fresh produce, while another image could show the same market with lower prices	Forms of Market and Price Determina tion under Perfect Competiti on with simple applicatio ns, Perfect competiti on - Features; Determina tion of market equilibriu m to be integrated with the concepts of marketing under Business Studies.	Make a project on price determinatio n under perfect competition	To analyze the producer behavior and supply in a particular market that operates under perfect competition, You could gather data on the market, such as the number of firms, the level of competition, and the production costs of the firms, Using this data, you could analyze the behavior of producers in the market and how they respond to changes in demand and supply	Revision and quiz	Q & A LOA	Learning Outcomes: By the end of the topic, students should be able to: Analyze the production function and its different components, Differentiate between short-run and long-run production functions, Calculate total product, average product, and marginal product, Identify the returns to a factor cost and its impact on production, Describe the short-run costs and their components, Calculate average fixed cost, average variable cost, and marginal cost, Understand the concept of revenue and its different types,
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		these revenue concepts, and how they vary over the short and long run, to define and explain the concept of producer equilibrium, and identify the conditions necessary for it to occur, to understand the concept of supply, and distinguish between individual and market supply, to identify and explain the determinants of supply, and how they affect the supply curve, to define and explain the concepts of supply schedule, supply curve, and its slope, to distinguish between movements along and shifts in the supply curve, and understand the factors that cause them, to define and explain the concept of price elasticity of supply, and its measurement using the percentage- change method,		and more abundant produce after a successful harvest,						Identify the producer's equilibrium and its conditions in terms of marginal revenue and marginal cost, Describe the concept of supply and market supply, Identify the determinants of supply and their impact on the supply curve, Analyze the supply schedule, supply curve, and its slope, Differentiate between movements along and shifts in the supply curve, Measure the price elasticity of supply using the percentage- change method,
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Jan	16	Unit 7: Forms of Market and Price Determination under Perfect Competition with simple applications, Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply, Simple Applications of Demand and Supply: Price ceiling, price floor,	 1.Acquisition of knowledge: To enable students: to understand the features of perfect competition as a market structure, to understand how market equilibrium is determined under perfect competition, 2.Development of understanding: to understand the effects of shifts in demand and supply on the market equilibrium, 3.Development of skills to understand the concept of price ceiling and price floor and their effects on market outcomes, 	Determinatio n of market equilibrium and effects of shifts in demand and supply, Simple Applications of Demand and Supply: Price ceiling, price floor,	Forms of Market and Price Determination under Perfect Competition with simple applications, Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply, Simple Applications of Demand and Supply: Price ceiling, price floor,		Equilibrium Analysis: Conduct a study on the determinatio n of market equilibrium under perfect competition using real- life examples, You can select any product, for example, mobile phones, and collect data on its demand and supply, and analyze the equilibrium price and quantity in the market, Effects of Shifts in Demand and Supply: Investigate the effects of shifts in demand and supply on the equilibrium price and quantity in the offects of shifts in demand and supply on the equilibrium price and quantity in a perfectly competitive market, You		Revision and Quiz	Q & A LOA	be able to Identify the characteristics of perfect competition and explain why it is considered an ideal market structure, Use the demand and supply curves to determine the market equilibrium price and quantity under perfect competition, Analyze the effects of changes in demand and supply on the market equilibrium price and quantity under perfect competition, Explain the concept of price ceiling and price floor and their effects of price ceiling and price floor and price floor to
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					can choose any product and analyze the market behaviour in response to changes in consumer income, population, technology, and other factors,			simple market scenarios,
Feb			REVISION FOR	ANNUAL EX	XAMINATION	1	 	
March								

SUBJECT : ACCOUNTANCY

Text Book: 1. N.C.E.R.T

2. DOUBLE ENTRY BOOK KEEPING

Month	WD NOP	Chapter/Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24										
May	08										
June	14	 Introduction to Accounting Accounting: concept; objectives, advantages and limitations. Types of accounting information Users of accounting information Qualitative characteristics of accounting information Role of accounting in business. 	1.Acquisition of knowledge: To enable them to know- Need for Accounting Meaning of Accounting Characteristics of Accounting Objectives of Accounting Functions of Accounting Distinction between Book-	Accounting Book keeping Accountancy Accounting cycle Recording Classifying Summarizing Interpreting Analyzing Attributes of accounting information Events Transactions Drawing	Integrated with Painting and Sketch Poster of users of accounting information, types of Assets & Liabilities & Principles of Accounting.	Some relevant topics in the chapter to be integrate with the other subjects. Capital, resources of production etc are integrates with	Project on accounting principle	Face to face interaction through digital learning like educational video/ documentar y/YouTube link of accounting principles followed to maintain the books of accounts.	Audio visual learning of Assets, liabilities and their types, principle of accounti ng & Accounti ng concepts.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehendin g *High order thinking *Assertion and Reasoning *Picture based *Source based	The students will be able to know and learn: the meaning, objectives, advantages and disadvantages of accounting. The students will be able to know and learn: the various

Basic Accounting Terms Transactions: Capital:	keeping, Accounting and	Liabilities (current,non-	Economic s.		learning *Story telling	terms used in accounting.
Drawings;	Accountancy	current,			pedagogy *Oral drilling	Civo ovomnlos
Assets(Types of	Branches of	Assets(current,			*Quizzing	of terms like
Liabilities (Types of	Accounting	fixed,			engaging	business
liabilities);Expenditure	Accounting as	<u>tangible, intang</u>			*Mind	transaction,
(Types of	Information	Trade			mapping etc	aasets and
expenditures);	Users of	receivable				purchase.
Income ; Profit ; gain;	Accounting	Trade parables				Differentiate
loss;	Advantages of	Inventory Insolvent				betwwen
• purchase; sale; debtors;	Accounting	Goods				income, profit
discount(Types); stock	Limitations of	Vouchers				and gain.
(Types) and other	Accounting	<u>Expenses(capit</u> al & revenue)				The students
terms.	Characteristics	Accounting				will be able to
Theory base of accounting	of Accounting	conventions				know and
Meaning and nature of accounting principles	Information	Accounting				that
Eestures of accounting	Transaction and	Business				sales/purchase
principles	its Main	entity; Money				including both
Importance of	Features	measurement;				<u>cash & creun.</u>
accounting principles	Meaning of	Accounting				The students
• Fundamental	Accounting	period; cost				will be able to know and
accounting	Principles	concept; Dual				learn:
entity: Money	Nature or Characteristics	<u>aspect;</u> Revenue				the meaning
measurement: Going	of Accounting	recognition;				of accounting
concern; Accounting	Principles	Matching; Full				standard.
period; cost concept;	Need of Accounting	disclosure;				The students
Dual aspect; Revenue	Principles	<u>conservatism;</u>				will be able to
Full disclosure:	Kinds of	Materiality;				know and
consistency;	Accounting					The meaning
conservatism;	Accounting	Accounting				of accounting
Materiality; objectivity	Concepts or	standards				principles and
etcBasis of accounting:	Assumptions: Fundamental	<u>IFRS</u>				in which a
Cash and accrual Accounting standards:	Accounting					principle is
Concept; Objectives :	Assumptions as					applied.
International Financial	per AS-1					

	Reporting System(IFRS) and Indian Accounting Standards(IAS)	2.Development of understanding: *To enable students to understand: - Meaning of Capital Meaning of Drawings Meaning of Liability Meaning, Definition and Types of Assets Receipts Meaning of Expenditure Meaning of Expenses Meaning of Income Meaning of Profit Meaning of Capital Meaning of Expenses Meaning of Profit Meaning of Loss Meaning of Purchases Meaning of					The students will be able to know and learn: the bases of recording accounting transaction.
		Meaning of	۱				
		Income			1		1
		Meaning of			1		
		Profit					
		Meaning of					
		Gain					
		Meaning of					
		Loss					
		Meaning of					
		Purchases					
		Meaning of	ļ				1
		Sales	ļ				1
		Going Concern	ļ				
		Concept	ļ				
		Concept	ļ				
		Accrual	ļ				
		Concept					
		Other	ļ				
		Accounting					
		Assumptions	ļ				
		Business Entity					
		Concept					
		Money	ļ				1
		Measurement	ļ				1
		Concept	!		1		1

				Accounting Period Concept Cost Concept Matching Concept Dual Aspect Concept Accounting Conventions: Distinction between Concepts and Conventions Convention of Full Disclosure								
Jı	uly	26	 Accounting Equation Meaning Rules for accounting equation Process of preparing accounting equation Numerical problems Meaning of an account Meaning of debit and credit Rules of debit and credit: Modern approach and traditional approach Accounting procedures Source documents Meaning of voucher Types of vouchers Preparation of vouchers (Numerical) Journal Meaning of Journal Characteristics and advantages Limitations 	 1.Acquisition of knowledge: To enable them to know- Meaning of Accounting Equation Effect of Transactions on Accounting Equation Meaning of Debit and Credit 2.Development of understanding: *To enable students to understand: - Rules of Debit and Credit Names of Books of Original Entry Meaning and Format of Journal Rules of Journalising 	Double entry system Natural personal account Artificial personal account Representative personal account Real account Nominal account Nominal account Modern approach Traditional approach Cash memo Invoice/bill Receipts Debit note Credit note Pay-in-slip. Cheques Cash Vouchers Noncash vouchers	Integrated with Painting and Sketch Poster of source document prepared by the business, Golden rules & modern rules of journal of journal.	Work sheet based on important questions of the chapter	Project on a Public Ltd. Regarding their source documents.	Face to face interaction through digital learning like educational video/ documentar y/YouTube link of rules of journal, source documents, accounting equation etc.	Audio visual learning of Modern approac h Traditio nal approac h Cash memo Invoice/ bill Receipt s Debit note Credit note Credit note Pay-in- slip Cheque s Cash Vouche rs Noncas h voucher	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehendin g *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	The students will be able to know and learn: the concepyt of accounting equation and appreciate that every transaction effects either both the side of equation or a positive effect of one item and negative effect on another item. The students will be able to know and learn: the effect of transaction on the concerned assets, liabilities, capital and

		 Passing of journal Entries (Numerical) Ledger Meaning of ledger Features Importance Preparation of ledger accounts (Numerical) Balancing of ledger 	Recording of Entries in Journal 3.Development of skills *To enable the students to develop the skills Preparation of Vouchers. Pass the journal entries of a transaction. Post them into ledger.	Books of original entry Rules of journalizing Ledger folio Trade discount Cash discount Compound journal Simple journal Opening entry Special entry					s Transfer voucher s Books of original entry Rules of journali zing		expenses. The students will be able to know and learn: the basis of source documents, accounting vouchers are prepared for recording the transactions. The students will be able to know and learn: the understanding of recording of transaction in journal. The students will be able to know and learn: the understanding of recording of transaction to ledger from journal.
Aug	22	Trial Balance • Meaning of Trial Balance. Objectives • Preparation of T.B. (Numerical) Cash Book • Meaning of cash book. Classification Objectives Features	1.Acquisition of knowledge: To enable them to know- Special Purpose Subsidiary Books and their Advantages • Meaning of Cash Book	Special purpose subsidiary book Simple cash book Double column cash book (cash & bank, cash & discount, bank	Integrated with Painting and Sketch Poster of formate of single and double column cash book,	Some relevant topics in the chapter to be integrate with the other subjects. Enumerati on of data	Project on trial balance prepared by any Public Ltd.	Face to face interaction through digital learning like educational video/ documentar y/YouTube link single,	Audio visual learning of Cash book and its type, differen t subsidia	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehendin g *High order	The students will be able to know and learn the need and objectives of preparing trial balance and develop skill of preparing trial balance.

		 Types (Single column, double and triple (column) Numerical problems of cash book Petty Cash book Numerical problems of petty cash book Day books Purchase daybook: Meaning and preparation of purchase book Sales day book : Meaning and preparation of sales book Return Inward book: Meaning and preparation. Return outward book: Meaning and preparation. Journal proper: Meaning and preparation. 	 Distinction between Cash Account and Cash Book Types of Cash Book: 2.Development of understanding: *To enable students to understand: - Single Column Cash Book Double Column Cash Book Double Column Cash Book Petty Cash Book JDevelopment of skills *To enable the students to develop the skills Recording Entries in Cash Book Format and Preparation of Special Purpose Purchase Book Sales Book Purchase Return Book Sales Return Book Journal Proper 	& dis.) <u>Petty cash</u> <u>book (imprest</u> <u>& analytical)</u> <u>Contra entry</u> <u>Day book</u> <u>Journal proper.</u>		in a cash book integrates with Mathemati cs.		double and petty cash book, subsidiary book etc	ry book & trail balance.	thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	The students will be able to know and learn the purpose of maintaining a cash book and develop the skill of The students will be able to know and learn the format of different types of cash book and methods of recording cash transactions in cash book. The students will be able to know and learn the methods of recording transactions other than cash transaction as per theiur nature.
Sept	05	 Bank Reconciliation Statement Meaning Objectives Methods of preparing BRS Preparation of BRS (Numerical) Preparation of adjusted. cash book 	1.Acquisition of knowledge: To enable them to know- Meaning of Bank ReconciliationSt atement 2.Development of understanding: *To enable students to	Cash book Passbook Bank statement Favourable balance Unfavourable balance Overdraft balance Amended cash book. Legal rights	Integrated with Painting and Sketch Poster of different types of reserve maintain by the company.	Some relevant topics in the chapter to be integrate with the other subjects.	Project on provision and reserve maintain by any Public Ltd. & Collect bank statement and copy of	Face to face interaction through digital learning like educational video/ documentar y/YouTube link different types of	Audio visual learning of Reserve Provisio n Revenu e reserve Capital reserve.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehendin g *High order thinking	The students will be able to know and learn The time bank balance as indicated by cash book is different from the bank balance as soon by the pass book and

		 BRS. (Numerical) Provision and Reserves Concept of provision Importance of provision Concept of reserve Types of reserves: Revenue reserve, capital reserve and secret reserve Difference of provision and reserve 	understand: - Causes for Differences in the Cash Book and Passbook Balance • Need for and Importance of Bank Reconciliation Statement 3.Development of skills *To enable the students to develop the skills Preparing Bank Reconciliation Statement • Preparation of Amended Cash Book	Reserve Provision Revenue reserve Capital reserve. Specific reserve General reserve Secrete reserve. Investment fluctuation reserve Workmen compensation reserve Debenture redemption reserve Dividend equalization reserve			cash book of any company and prepare BRS statements	reserve maintain by the company.	Specific reserve General reserve Secrete reserve. Investm ent fluctuati on reserve Workm en compen sation reserve Debentu re redempt ion reserve Dividen d equaliza tion reserve	*Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	to reconcile both the balance . The students will be able to know and learn The preparing bank reconciliation statement. The students will be able to know and learn the need for creating reserve and also making provisions The students will be able to know and learn the diff. Between reserve fund.
Oct	13	 Depreciation Meaning Causes of depreciation Objectives of depreciation Depreciation, amortization and depletion concept Methods of depreciation: Straight line and Reducing balance Provision for depreciation account Assets disposal account. 	1.Acquisition of knowledge: To enable them to know- Meaning of Depreciation Causes of Depreciation Need for Providing Depreciation 2.Development of understanding: *To enable students to understand: - Factors Determining the amount of	Obsolescence Depletion Scrap value Useful life of assets Cost of assets Straight line method WDV method Provision for depreciation Assets disposal account	Integrated with Painting and Sketch Poster of different types of methods used to maintain the depreciation by the company & different methods used to calculate the depreciation.	Some relevant topics in the chapter to be integrate with the other subjects. Calculati on of percentag e of depreciati on is integrate d with Mathema	Collect information about the methods of depreciatio n used by the limited co. from financial statement of company	Face to face interaction through digital learning like educational video/ documentar y/YouTube link regarding the methods of depreciation , calculation of depreciation and its need.	Audio visual learning of Causes and need of deprecia tion, methods used to calculat e the deprecia tion etc.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehendin g *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling	The students will be able to know and learn the necesity of providing depreciation and develop the skill of using diff. Mathods for computing depreciation. The students will be able to know and learn the necessity of proving depreciation.

		Numerical problems	Depreciation. Methods of Providing Depreciation: • Distinction between Straight Line Method and Written Down Value Method 3.Development of skills *To enable the students to develop the skills Straight Line Method: Meaning, Merits, Demerits and Suitability Written Down Value Method: Meaning, Merits, Demerits and Suitability Written Down Value Method: Meaning, Merits, Demerits and Suitability Written Down Value Method: Meaning, Merits, Demerits and Suitability Methods of Recording Depreciation: By Charging to Asset Account by Creating Provision for Depreciation Account Asset Disposal Account.			tics.				*Quizzing *Creating and engaging *Mind mapping etc	The students will be able to know and learn the accounting treatment of depreciation directly to the concerned assets. The students will be able to know and learn the method of assets disposal.
Nov	22	 Financial statements of sole proprietorship Meaning Objectives Preparation of Trading Account 	1.Acquisition of knowledge: To enable them to know- <u>Meaning of</u> <u>financial</u> statement	statement Trading account Profit & loss account Gross profit	with Painting and Sketch Poster of different types of income and	relevant topics in the chapter to be integrate with the	Project on a Public Ltd. Regarding their final account	interaction through digital learning like educational video/	visual learning of the different types of income	learning *Thought provoking. *Critical thinking *Logical reasoning	ine students will be able to know and learn the meaning of financial statements and their purpose.

Dec	23	 Preparation of Profit and loss account Preparation of Balance sheet Preparation of final account without adjustment Preparation of final account with adjustment Marshalling of assets and liabilities Accounting for incomplete record (Single entry system) Meaning Objectives Preparation of statement of Profit and Loss. Preparation of Statement of Affairs. 	Users of of financial statement 2.Development of understanding: *To enable students to understand: - <u>Meaning, need</u> & preparation of trading account. <u>Meaning, need</u> & preparation of profit & loss account. <u>Meaning, need</u> & preparation of Balance sheet. <u>Grouping &</u> marshalling of assets & liabilities <u>Distinction</u> between tangible and intangible assets 3.Development of skills *To enable the students to develop the skills <u>Preparation of</u> trading, Profit & Loss A/c & Balance sheet.	Net profit Operating profit direct expanses, direct income, indirect expenses/inco me Grouping & marshalling of assets & liabilities COGS Accrued income Deferred revenue expebditure Two sided	expenditure recorded in trading and profit & loss account, types of assets and liabilities recorded in balance sheet.	other subjects. Calculati on of percentag e of gross profit and net profit ratio is integrate d with Mathema tics.	Gocumentar y/YouTube link regarding the different types of income and expenditure recorded in trading and profit & loss account, types of assets and liabilities recorded in balance sheet	and expenditur e recorded in trading and profit & loss account, types of assets and liabilities recorded in balance sheet	*Analyzing, *Comprehendin g *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	The students will be able to know and learn the meaning of direct expanses, direct income indirect expanses/inco me. The students will be able to know and learn the meaning of gross profit, nate profit, operating profit and develop the skill of preparing trading and profit and loss account. The students will be able to know and learn the need of balance sheet. The students will be able to know and learn the need of balance sheet. The students will be able to know and learn the need of balance sheet. The students and develop the skill of recording the adjustments in financial statements.
Dec	25	• Classification of errors	knowledge:	errors	with	sheet	interaction	visual	learning	will be able to

and preparation suspense account.			 Errors do not affect the Trial Balance Passing the journal entries before preparation of T. B and after preparation of T.B. Concept of suspense and preparation of suspense account. And Revision	To enable them to know- <u>Rectification of</u> <u>errors</u> <u>Types of errors</u> <u>Rectification of</u> <u>one-sided errors</u> <u>Rectification of</u> <u>two-sided errors</u> <u>Meaning & 2</u> . Development of <u>understanding:</u> *To enable students to understand: <u>utility of</u> <u>suspense</u> <u>account.</u> <u>Rectification of</u> <u>errors through</u> <u>suspense</u> <u>account and</u> <u>disposal of</u> <u>suspense</u> <u>account</u>	One sided error Suspense account Error of omission Error of principle Error of posting	Painting and Sketch Poster of different types of errors.	based on important questions of the chapter		through digital learning like educational video/ documentar y/YouTube link regarding the different types of errors.	learning of the different types of errors.	*Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehendin g *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	know and learn that errors may be committed during the process of accounting. The students will be able to know and learn the meaning of diff. Types of errors and their effect on trial balance. Develop the skill of The students will be able to know and learn_to identification and location of errors and teir rectification and preparation of suspense account.
In In In Feb 00 00	an Feb	16			KEVISION	FUK ANNU	JAL EXA	VIINATION				

SUBJECT : BUSINESS STUDIES

Text Book: 1. N.C.E.R.T

2. V.K Publication

Month	WD NOP	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competenc y Based Activity Learning	Learning Outcomes
April	24										
May	08										
June	14	 PART- A Foundation of Business Nature and Purpose of business Modern Concept of business. Characteristics Comparison of business, profession and employment Classification of business activities: Industry, Commerce, Trade and auxiliaries to trade Objectives of Business Business risk Nature of business risk Causes of business risk Causes of business risk Forms of Business Organistion 	 1.Acquisition of knowledge: To enable them to know Concept of business Human activities Characteristics of business, profession & employment Meaning of components of business. Meaning of form of business Organisation. Meaning, features, merits & limitations of sole proprietorship. Meaning, features, merits & limitations of partnership. Development of understanding: *To enable students to understand: Diff. between business, profession & employment. 	Business Profession Employment Business activities Commerce & trade Import & export. Business risk Sole proprietorship Minor as partner. Partnership deed Active partner. Sleeping partner. Dormant partner. Nominal partner. LLP HUF Co-operative Organisation Public co. Private co. Promotion Incorporation MOA AOA	Integrated with Painting and Sketch Poster of different types of partners in a partnership firm.	Some relevant topics in the chapter to be integrate with the other subjects. Industrie s, commerc e, trade, and auxiliarie s to trade is integrate d with Mathema tics.	Project on form of business Organisa tion.	Face to face interaction through digital learning like educational video/ documentary/Yo uTube link regarding the different types of partners in a partnership firm, form of business Organisation.	Audio visual learning of the different types of partners, partnership deed, form of business Organisation.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehen ding *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	students will be able to know and learn the concept of business, profession, and employment. students will be able to know and learn between business, profession, and employment. • students will be able to know and learn the economic and social objectives of business. students will be able to know and learn the role of profit in business. students will be able to know and learn the role of profit in business. students will be able to know and learn the broad categories of business activities- industry and commerce, students will be able to know and

 Introduction Sole proprietorship Features, merits and demerits Join Hindu family business Features, merits and demerits Partnership Features, merits and demerits, Types of partners Types of partnership Partnership deed: Registration and consequences of non registration Co-operative societies Features, merits and demerits, Types of Co operatives Joint Stock Company Features of Jon Stock Types of companies 	Types of business activities. Meaning & nature of business risk. Causes of business risk. 3.Development of skills *To enable the students to develop the skills Diff. Between industries, commerce & trade. Type of partners. Meaning, features, merits & limitations of LLP. Meaning, features, merits & limitations of HUF. Diff. Between sole proprietorship, partnership, HUF LLP & Co.				learn the various types of industries. students will be able to know and learn the meaning of commerce, trade and auxiliaries to trade. students will be able to know and learn the meaning of different types of trade and auxiliaries to trade. students will be able to know and learn the role of commerce-trade and auxiliaries to trade. students will be able to know and learn the role of commerce-trade and auxiliaries to trade. students will be able to know and learn the concept of risk as a special characteristic of business. students will be able to know and learn the nature and causes of business risks. students will be able to know and learn the different forms of business organisations and understand their
 Companies Types of companies Distinguish between private and public companies 					forms of business organisations and understand their meaning. Identify and explain the concept, merits and limitations of

July 20	 Private, Public and Global enterprises Introduction Private and public sector Forms of public sector Departmental undertaking: Meaning, Features, merits and demerit Statutory Corporation: Meaning, Features, merits and demerits 6 6 Government Company: Meaning, Features, merits and demerits 6 Government Company: Meaning, Features, merits and demerits 6 Company: Meaning, Features, merits and demerits Global enterprises: Meaning, Features, merits and demerit Business Services Comparison of public sectors Nature of services Types of services 	 1.Acquisition of knowledge: To enable them to know Meaning, features, merits & limitations of Departmental undertakings. Meaning, features, merits & limitations of statutory/public corporations. Meaning, features, merits & limitations of government companies. Meaning, features, merits & limitations of government Companies. Meaning, features, merits & limitations of Meaning, features, merits & limitations of MNCs Meaning, features of PPP Meaning, features & its types Meaning, nature, types of business services. Development of understanding: *To enable students to understand: Types of banks. E- Banking principle of insurance Types of insurance 	Private sector Public sector Departmental undertakings statutory/publi c corporations. government companies. joint sector. MNCs PPP Joint venture F- Banking Insurance & assurance Principle of life insurance Marine insurance General insurance General insurance Traditional mode of comm. Fax Internet E-Mail	Integrated with Painting and Sketch Poster of different form of private, public & global enterprises.	Some relevant topics in the chapter to be integrate with the other subjects. Public, private & global enterpris es in India is integrate d with Political science.	Project on form of public, global & private sectors enterprise & causes of business risk.	Face to face interaction through digital learning like educational video/ documentary/Yo uTube link regarding the different types of public, private & global enterprises, different types of insurance.	Audio visual learning of the different types of public, private & global enterprises, different types of insurance.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehen ding *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	students will be able to know and learn the Public sector and private sector enterprises. students will be able to know and learn and explain the features, merits and limitations of different forms of public sector enterprises. students will be able to know and learn Global Enterprises and public private partnership by studying their meaning and features. students will be able to know and learn the meaning and types of business services. students will be able to know and learn different types of bank account. students will be able to know and learn different types of bank account. students will be able to know and learn different
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	 Differences between goods and services Banking: Types of Banks. 	3.Development of skills *To enable the students to develop the skills Comparative study of various public enterprises.				different services provided by banks. students will be able to know and learn Utmost Good Faith,
	• Functions of commercial					Insurable Interest, Indemnity
	 bank E- banking: Benefits 					Contribution, Doctrine of
	• Insurance: Fundamental					Causa Proxima as principles of
	 principles of insurance 					insurance.
	• Types of insurance					
	• Life insurance:					
	 Types Fire insurance 					
	 Marine 					
	Insurance:					
	 Differences between life, 					
	marine. insurance					
	Communicati					
	on services					
	• Postal					
	services,					
	Telecom					
	services					
	• warehousing: Mooning					
	Types					
	Functions.					

Aug	22	 Emerging modes of Business Concept of e-business and scope and benefits. Social Responsibilities of Business Concept of social responsibilitie s Case of social responsibilitie s Responsibilitie s towards different groups Role of business in environment Business ethics concept and elements 	knowledge: To enable them to know Online transaction Meaning of e- commerce Scope of e- commerce Benefits of e- commerce Development of understanding: *To enable students to understand: Diff. Between traditional and e- business Outsourcing of service or business process outsourcing of service or business process outsourcing of service Meaning & feature of knowledge process outsourcing (KPO) Meaning of social responsibilities 3.Development of skills *To enable the students to develop the skills Arguments of social responsibilities social	Online transactione-commerce Outsourcing of service business process outsourcing (BPO) knowledge process outsourcing (KPO) B2B Commerce B2C Commerce Social responsibilitie §Business & environment protectionbusiness ethics	Integrated with Painting and Sketch Poster on social responsibilit ies of business Organisation towards different groups.	Some relevant topics in the chapter to be integrate with the other subjects. Online transacti ons & benefits of e- commerc e is integrate d with C.S.	Project on social responsibi lities of business towards different grops.	Face to face interaction through digital learning like educational video/ documentary/Yo uTube link regarding the Online transactions & benefits of e- commerce & social responsibilities of business Organisation towards different groups.	Audio visual learning of e-business & benefits of e- commerce & social responsibilities of business Organisation towards different groups.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehen ding *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	able to know and learn the scope of e-business, the benefits of e-business. students will be able to know and learn e-business from traditional business. Business Ethics students will be able to know and learn the concept of social responsibility. students will be able to know and learn the case for social responsibility. students will be able to know and learn the social responsibility. students will be able to know and learn the social responsibility towards different interest groups. students will be able to know and learn the role of business in environment protection. students will be able to know and learn the concept of business ethics Describe the elements of business ethics.
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			responsibilities of business towards various parties Business & environment protection Meaning of business ethics								
Sept	05	 PART- B Sources of business finance Meaning, Features and significance of business finance Classification of sources of funds Sources of finance Retained Earnings: Features, merits and demerits Trade credit: Features, merits and demerits Factoring: Features, merits, and demerits Commercial paper: Features, merits, and demerits Commercial paper: Features, merits, and demerits Equity shares: Features, Features, 	1.Acquisition of knowledge: To enable them to know Nature and significance of business finance, Source of business finance Development of understanding: *To enable students to understand: Meaning, advantages & limitations of equity shares. Meaning, advantages & limitations of preference shares. Meaning, advantages & limitations of debentures Meaning, advantages & limitations of retained earnings. Meaning, advantages & limitations of retained earnings. Meaning, advantages & limitations of retained earnings. Meaning, advantages & limitations of public deposits Meaning, advantages &	MOA AOA PROSPECTU S Name clause. Situation clause Objective clause Liabilities clause Capital clause. Association & subscription clause Issue & allotment of shares. Share certificates. Minimum subscription Calls on shares. Dividend on shares Dividend on shares Underwriter Preliminary expenses Promotors Auditors business finance equity shares preference shares Debentures	Integrated with Painting and Sketch Poster on different sources of business finance, its merit & demerits.	Some relevant topics in the chapter to be integrate with the other subjects. Importan t documen ts of a company is integrate d with business law.	Project on a Public Ltd. Regarding source of finance.	Face to face interaction through digital learning like educational video/ documentary/Yo uTube link regarding the finance collect by a company through different sources of finance.	Audio visual learning of Important documents of a public limited company.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehen ding *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	students will be able to know and learn between a private company and a public company. students will be able to know and learn the important documents used in the various stages in the formation of a company. students will be able to know and learn the meaning, nature and importance of business finance. students will be able to know and learn the various sources of funds into owners' funds. students will be able to know and learn the meaning of owners' funds. students will be able to know and learn the meaning of owners' funds. students will be able to know and learn the meaning of owners' funds. students will be able to know and learn the meaning of borrowed funds

		merits, and demerits • Debentures: Features, merits, and demerits	limitations of GDRs Meaning, advantages & limitations of ADRs Meaning, advantages & limitations of IDRs 3.Development of skills *To enable the students to develop the skills Difference between owners' funds & borrowed funds.	retained earnings. public deposits GDRs ADRs IDRs							Discuss the concept of debentures, bonds, loans from financial institutions and commercial banks, Trade credit and inter corporate deposits. students will be able to know and learn Distinguish between owners' funds and borrowed funds.
Oct	13	 Small Business Meaning of small business Nature of small business Role of small business in India Problems of small businesses Government assistance to small Industries and small units Institutional support for small business Marketing support to MSME 	 1.Acquisition of knowledge: To enable them to know Meaning of small-scale Organisation Meaning of entrepreneurship Intellectual property rights Development of understanding: *To enable students to understand: Government assistance and special schemes for industries in rural, backward and hilly areas. Functions of NSIC 	small scale Organisation Entrepreneurs hip Intellectual property Intellectual property rights NSIC DIC NABARD RRB Patent Copyright Trademark	Integrated with Painting and Sketch Poster on Governme nt assistance and special schemes for industries in rural, backward and hilly areas.	Some relevant topics in the chapter to be integrate with the other subjects. Governm ent assistanc e and special schemes for industrie s in rural, backwar d and hilly areas is integrate d with business law.	Project on Governme nt schemes for MSME	Face to face interaction through digital learning like educational video/ documentary/Yo uTube link regarding the Government assistance and special schemes for industries in rural, backward and hilly areas.	Audio visual learning of Functions of NSIC & Government assistance and special schemes for industries in rural, backward and hilly areas	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehen ding *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	students will be able to know and learn the concept of Entrepreneurship Development (ED), Intellectual Property Rights students will be able to know and learn the meaning of small business. students will be able to know and learn the role of small business in India. students will be able to know and learn the vole of small business in India.

		• What can be marketed?	Types of Intellectual property rights								small-scale industries. NSIC and DIC with special reference to rural, backward area.
Nov	22	 Internal Trade Wholesale trade: Concept and services Retail trade: concept and services Retail trade: concept and services Types of retail trade Itinerant Retailers Fixed shop retailers Departmental shop: Features, merits and demerits Chain stores: Features, merits and demerits Mail order house: Features, merits and demerits Mail order house: Features, merits and demerits Consumers co-operative store: Features, 	1.Acquisition of knowledge: To enable them to knowMeaning and features of internal tradeTypes of internal tradeTypes of internal tradeAdvantages of direct tradeAdvantages of direct tradeDevelopment of understanding: *To enable students to understand: Main documents used in internal trade.Meaning & features og wholesale tradeMeaning & features og retail tradeDiff. Between wholesaler & retailersMeaning, features, advantages & disadvantages of departmental stores.	internal trade direct trade Indirect trade internal trade wholesale trade Retailers departmental stores. supermarket chain stores. GST CGST SGST IGST Cash memo. Invoice/bill. Receipts Debit note. Credit note. Pay-in-slip. international business.	Integrated with Painting and Sketch Poster on different types of internal trade.	Some relevant topics in the chapter to be integrate with the other subjects. Wholesal e and retail trade business is integrate d with Geograp hy & History.	Project on different types of wholesale & retail business.	Face to face interaction through digital learning like educational video/ documentary/Y ouTube link regarding the wholesale trade Retailers departmental stores. supermarket chain stores. GST CGST SGST IGST	Audio visual learning of wholesale trade Retailers departmental stores. supermarket chain stores. GST CGST SGST IGST	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehen ding *High order thinking *Assertion and Reasoning *Picture based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	students will be able to know and learn the meaning and types of internal trade. students will be able to know and learn the services of wholesalers and retailers. students will be able to know and learn the different types of retail trade. students will be able to know and learn the distinctive features of departmental stores, chain stores and mail order business. students will be able to know and learn the distinctive features of departmental stores, chain stores and mail order business. students will be able to know and learn the concept of GST.

		 merits and demerits Supermarket: Features, merits and demerits Vending machine Role of commerce and Industry association in promotion of internal trade 	Meaning, features, advantages & disadvantages of supermarketMeaning, features, advantages & disadvantages of chain stores.Diff. Between departmental & chain storeMeaning, features, advantages & disadvantages of mail order business.Meaning, features, advantages & disadvantages of mail order business.Meaning, features, advantages of mail order business.Meaning, features, advantages of mail order business.								
Dec	23	 International Business -II Concept International business versus domestic business Scope of international business Benefits of international business 	1.Acquisition of knowledge: To enable them to knowMeaning, nature & benefits of international business.Scope of international business.Scope of international business.Meaning of import trade & export trade Meaning of WTO	Trade enquiryImportlicense.ForeignexchangeIndentLetter ofcreditShipmentDocument oftitleClearing agentRailwayreceiptsOctroi dutyWorld Trade	Integrated with Painting and Sketch Poster on procedure of import and export.	Some relevant topics in the chapter to be integrate with the other subjects. Internati on trade is integrate d with History &	Project on import and export procedure & functions of WTO.	Face to face interaction through digital learning like educational video/ documentary/Y ouTube link regarding functions of WTO	Audio visual learning of Procedure followed in import and export trade and documents used.	Conceptual learning *Thought provoking. *Critical thinking *Logical reasoning *Analyzing, *Comprehen ding *High order thinking *Assertion and Reasoning *Picture	<pre>students will be able to know and learn the concept of international trade. students will be able to know and learn the scope of international trade to the nation and business firms. students will be able to know and</pre>

		 Modes of entry into international business Introduction Export procedure Import procedure Foreign Trade promotion measures and scheme Organizationa I support IMF: Objectives and functions WTO: Objectives and functions WTO: Objectives and functions World Bank: Functions & Project 	Features, objectives and functions of WTO Development of understanding: *To enable students to understand: Procedure of import trade & export trade Important documents used in import trade & export trade.	Organisation		Economi cs.				based *Source based learning *Story telling pedagogy *Oral drilling *Quizzing *Creating and engaging *Mind mapping etc	learn the meaning of WTO. students will be able to know and learn the objectives of WTO in promoting international trade.
Jan	16		ſ	RE	VISION FO	R ANNUA	AL EXAMI	NATION	1	1	
Feb	00										

SUBJECT: PHYSICAL EDUCATION Textbook: 1. SARASWATI PUBLICATION

Mon h	t WI	VD Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competenc y Based Activity Learning	Learning Outcomes
Jun	e 14	 <u>CH – 1</u> = <u>Changing Trends &</u> <u>Career in Physical Education</u> Concept, Aims & Objectives of Physical Education <u>Development of Physical</u> <u>Education in India – Post</u> Independence Career Options in Physical Education Changing Trends in Sports- playing surface, wearable gears and sports equipment, technological advancements Career Options in Physical Education Khelo-India and Fit-India Program 	 To enable students to understand various aspects of development To understand that people have different perspectives To know the ways by which the students can arrive at common indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	 Concept, aim & Objectives of Physical Education Changing trends in Physical education. Career options in physical education Khelo-India and Fit-India. 	Poster Making of various committee s and fixtures.	NA	Practical in ground by touching different types of clay and sports equipment.	NA	NA	NA	Learning abou the career in physical education
July	20	CH - 2 = Olympic Value Education • Olympism – Concept and Olympics Values (Excellence, Friendship & Respect) Olympic Value Education- Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance among body, Will & Mind Ancient and Modern Olympic	 To enable students to understand various aspects of development To understand that people have different perspectives To know the ways by which the students can 	 Ancient Olympics Modern Olympics Olympism Olympic values Olympics symbols Olympics Movement 	• Making of Picture chart.	NA	NA	NA	NA	NA	About the history Olympic

		 Olympics - Symbols, Motto, Flag, Oath, and Anthem Olympic Movement Structure - IOC, NOC, IFS, Other members. <u>CH - 3</u> = <u>Yoga</u> Meaning & Importance of Yoga Introduction to Ashtanga Yoga Introduction to Yogic Kriyas (Shat Karma) Pranayama and its types Active lifestyle and stress management through yoga. 	 arrive at common indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	• <u>Yogic kriyas</u> • <u>Shatkarma</u> • <u>Ashtanga, yoga</u>							Yoga and its importance in life.
Aug	22	CH - 4 = Physical Education & Sports for CWSN (Children with Special Needs - Divyang)• Concept of Disability and Disorder• Types of Disability, its causes & nature (Intellectual disability, Physical disability) Disability Etiquettes• Aim & Objective of Adaptive Physical Education • Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & Special Educator $CH - 5 = Physical$ Fitness, Health and Wellness	 To enable students to understand various aspects of development To understand that people have different perspectives To know the ways by which the students can arrive at common indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	 Disability Disorder Types of disability & disorder Adaptive physical education Role of various professionals 	Making of Picture chart	NA	NA	NA	NA	NA	About the problems associated with especially abled students and their managemen t Importance of physical fitness and

		 Meaning and Importance of Wellness, Health and Physical Fitness Components/Dimensions of Wellness, Health and Physical Fitness. Traditional Sports & Regional Games for promoting wellness Leadership through physical activity and sports Introduction of First- Aid - PRICE. 		 Wellness Health & Physical fitness Dimensions of fitness Traditional Sports & Regional games. 						wellness in life
Sep	05	<u>CH – 6</u> = <u>Test, Measurement &</u> <u>Evaluation</u> • Define Test, Measurement & Evaluation • Importance of Test Measurement & Evaluation in Sports. Classification of tests in physical education and sports • Test, administration guidelines in physical education and sports BMI, Waist Hip Ratio, Skinfold measures	 To enable students to understand various aspects of development To understand that people have different perspectives To know the ways by which the students can arrive at common indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	 Test, Measurement & Evaluation in Physical Education Classification of test Test administration guidelines in physical education 	Making of Picture chart	NA	NA	NA	NA	Test used to find out the specific skills of athletes
Oct	13	<u>CH – 7</u> <u>Fundamentals of Anatomy,</u> <u>Physiology in Sports</u> • Definition and Importance of Anatomy and Physiology in exercise and sports	 To enable students to understand various aspects of development To understand that people have different perspectives To know the ways by which the students can arrive at common 	 Definition and importance of Anatomy and Physiology in sports Functions of skeletal system Classification of bones and types of joints, 	Making of Picture chart	NA	NA	NA	NA	Body structure and functions of bones and other organs.

		 Functions of Skeletal system, classification of bone and types of joints. Properties and Functions of Muscles. Function and Structure of Circulatory system and heart. Function and Structure of Respiratory system. 	 indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	 Circulatory system Respiratory system 						
Nov	22	 <u>CH - 8</u> = <u>Fundamentals of</u> <u>Kinesiology and</u> <u>Biomechanics in Sports</u> Definition and Importance of Kinesiology and Biomechanics in sports Principles of Biomechanics Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation Axis and Planes – Concept and its application in body movements 	 To enable students to understand various aspects of development To understand that people have different perspectives To know the ways by which the students can arrive at common indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	 Kinesiology and Biomechanics Types of body movements Axis and Planes 	Making of Picture chart	NA	NA	NA	NA	Study about the Moveme nt of body parts

Dec	23	 <u>CH - 9</u> = <u>Psychology &</u> <u>Sports</u> Definition & Importance of Psychology in Physical Education & Sports Developmental Characteristics at Different Stages of Development. Adolescent Problems & Their Management Team Cohesion and Sports Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness 	 To enable students to understand various aspects of development. To understand that people have different perspectives. To know the ways by which the students can arrive at common indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	 Definition & importance of Psychology Adolescent problems Team cohesion 	Making of Picture chart	NA	NA	NA	NA	About the behavior and its types Problems and their Managemen t for the adolescents
Jan	16	<u>CH – 10</u> = <u>Training and doping in</u> <u>Sports</u> • Concept and Principles of Sports Training • Training Load: Overload, Adaptation, and Recovery Warming-up & Limbering Down – Types, Method Importance. Concept of Skill, Techniques & Strategies • Concept of Doping and its disadvantages	 To understand that people have different perspectives To know the ways by which the students can arrive at common indicators of development. To analyze development using quantitative and qualitative indicators to enable better understanding of the theme discussed by learning the learners closer to the real-life situation. 	 Principles of sports training Training load Doping 	Making of Picture chart	NA	NA	NA	NA	Types of training its execution and importance
Feb			R	EVISION FOR ANNU	JAL EXAMI	NATION				

SUBJECT : GRAPHICS / PAINTING

Text Book : 1. HISTORY OF INDIAN ART - 1

2. ALL IN ONE FINE ARTS CLASS 11

Month	WD / NOP	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integratio n	Inclusive Teachin g	Project / Practical	Research Work Blended earning	Smart Board Activit y	Competency Based Activity Learning	Learning Outcomes
APRIL	24	1.Pre-Historic rock painting Introduction to rock Painting Appreciation of; a). A Roaring Animal, Bhimbetka b) Wizard Dance 2.Art of Indus Valley Introduction to Indus Valley Appreciation of; a) Terracotta figure of Bearded Priest b) Dancing Girl c)Male Torso d)Mother Goddess e) Bull seal f) Decorated Earthen wares	To give knowledg e of <u>Bhimbetka</u> <u>Roaring</u> animal Wizard dance	Bhimbetka Roaring animal Wizard dance	In math's in various topics as trigonomet ry, mensuratio n	In math's in various topics as trigonom etry, mensurat ion	Practical Painting Still life in pencil shading <u>Minim</u> <u>um 2</u> still life or Object has to be done Practic al for Graphi c <u>To make</u> Graphic <u>Design</u> Layout and colour with Black or Blue colour	To learn our cultural heritage			Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color

МАҰ	08	1.Pre-Historic rock Introduction to rock Painting Appreciation of; a). A Roaring Animal, Bhimbetka b) Wizard Dance 2.Art of Indus Valley Introduction to Indus Valley Appreciation of; a) Terracotta figure of Bearded Priest b)Dancing Girl c)Male Torso d)Mother Goddess e) Bull seal f) Decorated Earthen wares	To give knowledg e of <u>Bhimbetka</u> <u>Roaring</u> <u>animal</u> <u>Wizard dance</u>	<u>Bhimbetka</u> <u>Roaring animal</u> <u>Wizard dance</u>	In maths in various topics as trigonomet ry, mensuratio n	In maths in various topics as trigonom etry, mensurat ion	Practical Painting <u>Minimu</u> <u>m 2 still</u> <u>life or</u> <u>Object</u> <u>has to be</u> <u>done</u> <u>Practical</u> <u>for</u> <u>Graphic</u> <u>To make</u> <u>Graphic</u> <u>Design</u> <u>Layout</u> <u>and</u> <u>colour</u> <u>with</u> <u>Black or</u> <u>Blue</u> <u>colour</u>	To learn our cultural heritage		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color
JUNE	14	 1.Pre-Historic rock Introduction to rock Painting Appreciation of; a). A Roaring Animal, Bhimbetka b) Wizard Dance 2.Art of Indus Valley Introduction to Indus Valley Appreciation of; a) Terracotta figure of Bearded Priest b) Dancing Girl c)Male Torso d)Mother Goddess 	To give knowledg e of <u>Bhimbetka</u> <u>Roaring</u> <u>animal</u> <u>Wizard dance</u>	<u>Bhimbetka</u> <u>Roaring animal</u> Wizard dance	In maths in various topics as trigonomet ry, mensuratio n	In maths in various topics as trigonom etry, mensurat ion	Practical Painting <u>Minimu</u> <u>m 2 still</u> <u>life or</u> <u>Object</u> <u>has to be</u> <u>done</u> <u>Practical</u> <u>for</u> <u>Graphic</u> <u>To make</u> <u>Graphic</u> <u>Design</u> <u>Layout</u> <u>and</u> <u>colour</u>	To learn our cultural heritage		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color

		e) Bull seal f) Decorated Earthen wares					<u>with</u> <u>Black or</u> <u>Blue</u> <u>colour</u>			
JULY	26	3.Art During Maur Kushana and Gupt Introduction to Art during these periods Appreciation of; a)Lion Capital b)Chauri Bearers c)Bodhisattva Head From Taxila d)Buddha from Katra Mound e)Seated Buddha From Sarnath f) Jain Tirthankara (Gupta Period) 4.Introduction to Ajanta Location, Period, Subject Mattar, Technique Appreciation of; a) Padmapani Bodhisattva b) Mara Vijay	To gain Knowledge of a)Lion Capital b)Chauri Bearers c)Bodhisattva Head From Taxila d)Buddha from Katra Mound e)Seated Buddha From Sarnath f) Jain Tirthankara (Gupta Period) a) Padmapani Bodhisattva b) Mara Vijay	Lion capital Chauri bearer Bodhisattva head Buddha from katra Seated Buddha of sarnath Jain tirthankara	Shapes and mensurati on maths	Shapes and mensura tion maths	Minimum 2 flower has to be done in pencil shading or Charcoal Practical Painting Minimu <u>m 2 still</u> life or Object has to be done Practical for Graphic To make Graphic Design Layout and colour with Black or Blue colour	To learn our cultural heritage		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color

AUG	22	3.Art During Maur Kushana and Gupta Introduction to Art during these periods Appreciation of; a)Lion Capital b)Chauri Bearers c)Bodhisattva Head From Taxila d)Buddha from Katra Mound e)Seated Buddha From Sarnath f) Jain Tirthankara (Gupta Period) 4.Introduction to Ajanta Location, Period, Subject Mattar, Technique Appreciation of; a) Padmapani Bodhisattva b) Mara Vijay	To gain Knowledge of a)Lion Capital b)Chauri Bearers c)Bodhisattva Head From Taxila d)Buddha from Katra Mound e)Seated Buddha From Sarnath f) Jain Tirthankara (Gupta Period) a) Padmapani Bodhisattva b) Mara Vijay	Lion capital Chauri bearer Bodhisattva head Buddha from katra Seated Buddha of sarnath Jain tirthankara	Shapes and mensurati on maths	Shapes and mensura tion maths	Minimum 2 flower has to be done in pencil shading or Charcoal Practical Painting <u>Minimu m 2 still life or</u> <u>Object</u> <u>has to be</u> <u>done</u> <u>Practical</u> <u>for</u> <u>Graphic</u> <u>Design</u> <u>Layout and</u> <u>color with</u> <u>Black or</u> <u>Blue color</u>		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color	
SEPT	05	Chapter 1,2,3,4.	1							
OCT	13	5.Artistic Aspects o Temples Introduction to Temple Sculptures Appreciation of; a)Decent of Ganga b)Ravana shaking Mt. Kailasha c)Trimurti d)Lakshmi Narayana f)Cymbal Player g)Mother and Child 6.Indian Bronze Sculptures Introduction to Indian Bronze Sculptures Method of Casting Appreciation of ; 1.Natraja 2.Devi(Uma)	To learn about Indian Bronze sculpture	<u>Method of</u> <u>casting</u> <u>Nataraja</u> <u>Devi (Uma)</u>	Shapes and mensurati on math	Shapes and mensura tion math	Make a projec t file on Mugh al miniat ure art Minim um 4 compositi on	To learn our cultural heritage		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color
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NOV	22	5.Artistic Aspects o Temples Introduction to Temple Sculptures Appreciation of; a)Decent of Ganga b)Ravana shaking Mt. Kailasha c)Trimurti d)Lakshmi Narayana f)Cymbal Player g)Mother and Child	To learn about Indian Bronze sculpture	<u>Method of</u> <u>casting</u> <u>Natraja</u> Devi (uma)	Shapes and mensurati on maths	Shapes and mensura tion maths	Make a projec t file on Mugh al miniat ure art Minim um 4 compositi	To learn our cultural heritage		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color

		6.Indian Bronze Sculptures Introduction to Indian Bronze Sculptures Method of Casting Appreciation of ; 1.Natraja 2.Devi(Uma)								
DEC	23	7.Artistic aspects of Islamic Architectur Introduction to architecture Imperial style Provincial style Mughal style Deccani Style Appreciation of; a)Qutub Minar b)Taj mahal c)Gol Gumbaz	To learn about Indo Islamic Archite cture	<u>Qutub minar</u> <u>Taj mahal</u> Gol gumbad	Shapes and mensurati on maths	Shapes and mensura tion maths	Make a project file on Mughal miniatu re art Minimu m 4 compositi	To learn our cultural heritage		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color
JAN	16	7.Artistic aspects of Islamic Architectu Introduction to architecture Imperial style Provincial style Mughal style Deccani Style Appreciation of; a)Qutub Minar b)Taj mahal c)Gol Gumbaz	To learn about Indo Islamic Archite cture	<u>Qutub minar</u> <u>Taj mahal</u> Gol gumbad	Shapes and mensurati on maths	Shapes and mensura tion maths	Make a projec t file on Mugh al miniat ure art Minim um 4 compositi	To learn our cultural heritage		Painting Students will make the painting . Still life , Nature study .and the Graphic Students will Draw and Paint Graphic Layout in black, blue or red color

SUBJECT: HINDUSTANI MUSIC (VOCAL) (034)

Month	WD NOP	Chapter/Sub-Topics	Learning Objectives	g Objectives Key Terms and Concept		Inclusive Teaching	Project / Practical	
April May	08	Brief study of the following :- > Nada > Shruti, > Swar > Saptak > Thaat > Jati, > Laya > Tala Taal - "Teentaal, Ektaal and Chautaal" Parichay with Tala Notation and hand Demonstration with Thah, Dugun, Tigun and Chaugun Laykari.	To know about Basic of Musical notes along with Types of Swar Sudh and Vikrut Swar Hand demonstration of taal along with taali khali and Bibhag	Key Terms > Taali > Matra > Bibhag > Swar > Khali > Theka > Alankar > Ekgun	Integration with Songs in this Particular taals	Defination of Pitch and Volume	Making Project file regarding this Taals and different Variations of it	
June	26	 Brief study of the following Raag Desi and Margi Sangeet Dhrupad Khayal Tarana Raag - Bhimpalasi & Bihag (Parichay and One Drut Khayal with simple elaborations and few tanas along with Tarana and Dhamar) 	To know about Raag and its charectrestics Knowing about various Kinds of Gayan shaili In Music And Gharana Sangeet	Key Terms Jaati Thaat Vadi Samwadi Aaroh Avroh Pakad	Integration with a story of	Inclusive with different types of songs	Making project mentioning the the various kinds of gharana and gaayna shaili	
Aug	22	 Detail study of the following ➤ Musical Elements in Natya Shashtra Life sketch and Contribution ➤ Pt. V.N Bhatkhande 	To know about the elements of Natyashashta in music "Sangeet Naad Muchhayte" Properly described Thaat and Naad Swar. Knowing about Contribution of Pt V.N Bhatkhande in music	 Key Terms Origin Writer Concepts Valuable works Musical background of the Artists 	Integration with morden music and Moovie Song	Core elements of Musical Natyashash tra	Making a Bullet poin notes in that topic	

				Gharana				
Sept	05							
Oct	13 22	Raag - Bhairavi, Jaunpuri and One Devotional Song (Parichay and One Drut Khayal with simple elaborations and few tanas along with Tarana and Dhamar)	To know about Singing in Teentaal Bandsih along with the notation of the raag and Use of Aalap And taan with the help of this Baag notes	Key Terms Jaati Thaat Vadi Samwadi Aaroh	Bhajan in this Raag	Use of alankar in this Raag	Writing the notation of the song along with its script of taal	
		Life sketch and Contribution > Pt. V.D Palushkar	with the help of this Raag hotes	 Avroh Pakad 				
Dec	23	Knowledge of the Structure of Tanpura	To know about different parts of tanpura and names of its different string instruments Similar String Instruments	 Key Terms Khunti Aati Dand Gulu Bridge Tumba Strings 	Integration with other string instruments i:e Guitar	Playing and tuning Tanpura	Method of using tanpura process of Sound production from Tanpura	
Jan								
Feb								

SUBJECT: GENERAL STUDIES

Month	WD	Chapter/ Sub-Topics	Learning Objectives	Key Terms and Concept	Art Integration	Inclusive Teaching	Project / Practical	Research Work Blended Learning	Smart Board Activity	Competency Based Activity Learning	Learning Outcomes
April	24	Science and Society	Students will learn about Science and its uses in our day to day life. They will also be able to connect their knowledge in their daily activity.	 I. The Nature of Science. Different aspects of Science II. Science as a social enterprise. The manner in which modern Science and technology shape 	do a small project, where they identify a problem, frame hypothesis, gather data and analyze it to test the hypothesis.	Make a water purifier with daily purpose elements.	A debate for the whole class on 'Science a boon or curse'.	enumerate ways in which Science and technology have changed lives particularly in the context of differently	N/A	How do we talk to a person who is sitting far from us in mobile phones? What is science behind this. Research on this topic.	Students will be able to connect things with daily activities.

				modern culture, values, and institutions on one hand and how modern values shape Science and technology on the other. The progress of Science-major landmarks in the history of Science in India. III. The Scientific spirit Scientific attitude Dispelling superstitions and myths. Assistive technology for the differently able. IV. Current				abled children			
May	08	Contemporary Problems of Indian Society	Students will know about the problems faced by Indian people and will work to solve those problems.	Attairs I. Poverty Meaning, genesis and broad measures to alleviate it. Nature of poverty in rural and urban India II. Illiteracy Causes and consequences Measures to eradicate illiteracy. III. Unemployment Nature and extent of unemployment. Measures to reduce	Make group presentation s (collage, charts, posters) on the contemporary problems of Indian society by using only newspaper clippings as a resource.	Visit a_village with your friends and organize a camp where you will provide basic knowledge of writing and reading to the villagers.	Contribute towards solving social problems such as illiteracy. Students may volunteer to teach one illiterate person in their locality.	conduct a small survey on status of literacy/ employme nt/ income in their locality.	N/A	What problems you have faced while organizing camp in the village ? How you made villagers to attend your camp?	Students will work in a team and play a role of leader to remove this social illness from the society.

				unemployment - Vocational education, skill- based education. IV. Current Affairs.							
June	14	Cultural Heritage of India	Students will know about the historical and cultural backgrounds of India.	 I. The historical framework of India's heritage and culture. II. Evolution of Indian culture Historical background- from the Indus Valley civilization to the British period and Indian renaissance. Shaping of Indian ethos and syncretism. III. The cultural heritage of India. Architecture, paintings, dance, music etc. IV. Current Affairs. 	Practice meditation, 'pranayam' and 'yoga ' for health benefits and better understand ing of Indian culture.	Practice and Write about different types of "Asnaas" Also mention what difference you have felt after doing those asnaas.	Effectively use paintings, short films and other material developed by the Centre for Cultural Resources and Training (CCRT) to appreciate the arts, crafts and architecture of India	Develop resource files on Bhakti and Sufi saints of India. Write down any one work of any saints.	N/A	1.How do people in ancient times use to buy or sell any thing? Describe it with reference to Indus valley civilization 2. Write down name of any five sites of Indus valley civilization. Also write the names of its founder	Students will foster a deep appreciation for its rich and diverse traditions, promotes a sense of national identity and cultural preservation and sustainability.
July	26	Medieval India	Students will know about Kings, Market , taxes etc during Medieval time period in India	 <u>I</u>. Chola Empire II. Delhi Sultanate Mughal Sultanate III. Maratha Empire IV. Current Affairs 	Watch a movie based on struggle of any one Maratha Ruler and submit a review.	Highlight the role of Jharkhand during Medieval Time Period.	Read about the history of Medieval India and submit an article about events or personalities that impress them.	Present the life history of Rajaraja I through a short role play/skit	N/A	Why do you think that Prithvi Raj Chauhan lost to Mohammad Ghori? How many times he defeated Mohammad Ghori? Why only last battle is rememberd?	Students will know that struggle is the part of success. Without struggle one cannot get success. Students will also know about different Indian Empire and its rulers.

Aug	22	President of India	Students will know about Indian President.	 President in Indian Constitutio n. Ualification of President. Power of President V. Current Affairs 		Why do we celebrate Republic Day in India ?	Prepare biography of any one President of India.	Write the names of all the Presidents of India along the contempor ary Prime Ministers.	N/A	Is President part of Lok Sabha ?	Students will be able to know about the presidents and Prime Ministers of India.
Sep	05	Pollution	Students will know about pollution and its types.	Types of Pollution Water Pollution Air Pollution Noise Pollution Marine Pollution Soil Pollution Current Affairs	Make a PPT based on Marine Pollution.	Which gases pollute the environment? How?	Make a project based on different types of pollution.	What is Renewable Energy? How can we control pollution by using Renewable source of energy?	N/A	Is Acid Rain caused due to Air Pollution ? What do you mean by smog ?	Students will understand the theme and shift towards Non Conventional source of energy.
Oct	13	Jharkhand (Physical)	Students will know about Jharkhand.	 i. Hot Water Springs in Jharkhand. ii. Districts of Jharkhand and its formation. iii. Plateaus of Jharkhand iv. Rivers of Jharkhand. v.Minerals found in Jharkhand vi.Current Affairs 	Visit different places of Jharkhand and write a journal.	Visit BIADA in Bokaro Find out What is it famous for and from where it fulfills it's requirements ?	Write down the names of different water falls of Jharkhand along with its river.	Why do think Jharkhand full of minerals ?	N/A	How many types of minerals in found in Jharkhand? In which part of Jharkhand these minerals are found.	Students will feel proud on their state.
Nov	22	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISIO N	REVISIO N	REVISI ON	REVISION
Dec	23	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISIO N	REVISIO N	REVISI ON	REVISION
Jan	16	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISIO N	REVISIO N	REVISI ON	REVISION
Feb											
March											