

CHHATTISGARH PUBLIC SCHOOL

SUBJECT- ENGLISH CORE (301)

CLASS - XI

CLASS - XI			H- Hornbill, SS- Snapshot.
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September	10	10	iv	SS- The Address, Ranga's Marriage.		6			
				H- Poem: Childhood.	Portfolio	7			
				GR:Narration.	Multiple assesment	6			
				writing - Notice.	Subject enrichment	5			
				REVISION					
October	15	15	v	H- Poem: Father to Son.		9			
				SS- Prose: Mother' s day, Albert Einstein at School.					
				Poem- Birth		10			
				Grammar - Reported Speech, Model Auxiliary verb.		6			
				Writing - Registering Complaints, letter to School & College					
NOVEMBER	20	20		Authorities.					
				H- Prose: The Adventure, Silk Road.		5			
				S- Prose- The Tale of Melon city.	listening and speaking skills (5days)	5			
				Grammar -Voice,Sentence Reordering.	practice and finals.	5			
DECEMBER	23	23		Grammar - Narration, Error correction, Editing Task.	Speech writing & Poster Making.	10			
				REVISION		13			



CHHATTISGARH PUBLIC SCHOOL

YEARLY PLANNER (SESSION 2023-24)

CLASS -		XI	SUBJECT-	CHEMISTRY					
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
Jun-23	13	13	*Some Basic Concepts of Chemistry	General Introduction: Importance and scope of Chemistry. Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.	To solve intext & exercises questions	14			

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Jul-23	25	25	*Structure of Atom *Classification of Elements and Periodicity in Properties	Structure of Atom Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals. Classification of Elements and Periodicity in Properties- Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements - atomic	Acid-Base Titration	14			

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Aug-23	25	25	*Chemical Bonding and Molecular Structure	Chemical Bonding and Molecular Structure- Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules(qualitative idea only), Hydrogen bond.	Acid-Base Titration	14 14			
Sep-23			*Organic Chemistry -Some Basic Principles and Techniques	Organic Chemistry -Some Basic Principles and Techniques- General introduction, methods of purification,	Salt Analysis	10			
			MID TERM EXAM						

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Oct-23	18	18	*Organic Chemistry -Some Basic Principles and Techniques *Hydrocarbons	Organic Chemistry -Some Basic Principles and Techniques-qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions. Hydrocarbons- Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis. Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water.	Salt Analysis	10 10			

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Nov-23	20	20	*Hydrocarbon *Redox Reactions	<p>Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.</p> <p>Redox Reactions- Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.</p>	Salt Analysis	10 10			

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Dec-23	25	25	*Chemical Thermodynamics	Chemical Thermodynamics- Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of U and H, Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction) Introduction of entropy as a state function, Gibb's energy change for spontaneous and non spontaneous processes, criteria for equilibrium. Third law of thermodynamics (brief introduction).	Content Based Experiment	18			

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Jan-24	26	26	*Equilibrium	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 weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea), buffer solution, Henderson Equation, solubility product, common ion effect (with illustrative examples). Revision	Content Based Experiment	14			
		POST MID TERM EXAM							
Feb-24				Revision					
		FINAL TERM EXAM							

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CLASS - 11			SUBJECT-	BIOLOGY					
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/P ROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
JUNE	13	13	1	<u>UNIT : DIVERSITY IN THE</u>	1. Preparation of	2			
				LIVING WORLD	herbarium, specimen ,writing binomial				
				Lesson : The living world	nomenclature for any two common				
				Being alive,characteristics(living organisms)	organism,				
				respiration,metabolism,anabolism etc.	2. observation of various available				
				consciousness, response to stimuli,	e-content on this topic				
				growth, reproduction,Diversity					
				nomenclature,vernacular nomenclature					

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				UNIT:DIVERSITY IN THE LIVING WORLD	1. Observation of various	2			
				Lesson : Biological classification	specimens available in				
				Two kingdom classification, three	the school.				
				kingdom classification, five kingdom	2. Observation of various				
				classification,advantages of 5 kingdom	available e-content on this topic and				
				Classification and shortcomings o	Observing videos and ppt				
				Lesson : Animal & Plant kingdoms					
				Basis of classification, level of	PRACTICAL	3			
				organization, type of blood vascular	1. Parts of a compound				
				system, type of symmetry, numbers of	Microscope				
				embryonic layers in embryo, type of	2				
				coelomic cavities, type of segmentation					
				notochord,phylum porifera, coelenterata					
				Cnidaria, Ctenophora, Platyhelminthese,					
				Aschelminthese, Annelida, Arthropoda,					
				Mollusca, Echinodermata,protochordats					

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				Chordata, Pisces, Amphibia, reptilia, aves					
				Mammalia, Algae, Bryophytes, Pteridophyte					
				Gymnosperms, Angiosperms					
			2	UNIT : ORGANISATION IN PLANTS AND	ACTIVITIES	6			
				ANIMALS	1. Study the Charts related topics				
				<i>Lesson : Morphology of flowering plants</i>	2. Study the different parts of plants related to their family				
				Morphology of typical plant, root, types of root, tap root, adventitious root, regions of the root tip, root					
					PRACTICAL				
				modification, stem, stem modification,	1. Study and describe locally plants,				
				leaf, structure of typical leaf, leaf	available common flowering				
				modification, inflorescence, significance	from family Solanaceae				
				of inflorescence, types of inflorescence,	SPOTTING				

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				flower and its internal structure,	1.Flowers adapted to pollination				
				functions of various parts, types of	by different agencies				
				flower on the basis of structure and	2.Different types of inflorescence				
				position of ovary, corolla, calyx,	(cymose and racemose)				
				androecium, gynoecium, placentation,					
				fruit and types of fruit, structure of					
				monocot seed and dicot seed, floral					
				formula & diagram, family solanaceae					
JULY	25	25		Lesson:Structural organisation animals	SPOTTING	25			
				Animal tissue, Epithelial tissue, types ,	1.Virtual specimens/slides/model				
				squamous, cuboidal, columnar, ciliated,	identifying features of - Amoeba				
				transitional, glandular epithelial tissue,	Hydra,liverfluke, Ascaris, leech,				
				stratified epithelium,	earthworm, prawn, silkworm,				
				types of cell junctions,	snail, starfish, shark, rohu				

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				connective tissue, loose, areolar,	frog, lizard, pigeon and rabbit				
				adipose dense connective tissue,tendon					
				ligament, cartilage, bone,	2. Specimens/slides/models				
				Blood, RBC, WBC, plasma, platelets,	identification of Bacteria,				
				lymph ,muscles,striated & non striated	Oscillatoria, Spirogyra, Rhizopus,				
				muscles, cardiac muscles, their locations	mushroom, yeast,liverwort,moss,				
				in our body and their functions, neural	fern, pine,monocotyledonous				
				tissue,external morphology of frog	dicotyledonous plant & lichen				
				internal structure and organ system					
AUGUST	25	25	Unit-3 Cell	Chapter-8: Cell-The Unit of Life	ACTIVITIES	6			
				Cell theory and cell as the basic unit of	Model of cell membrane,				
				life, structure of prokaryotic and	Prokaryotic and Eukaryotic cell				

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				eukaryotic cells; Plant and animal cell					
				cell organelles - structure and function	PRACTICAL				
				Chapter-9: Biomolecule	1.Study of osmosis by potato	10			
				Chemical constituents of living cells:	osmometer				
				biomolecules, structure and function	2. Study of plasmolysis in				
				of proteins, carbohydrates, lipids,	epidermal peels				
				nucleic acids; Enzyme - types,	3. Study of distribution of stomata on the				
				properties, enzyme action	upper and lower surface of leaves				
				Chapter-10: Cell Cycle and Cell Division		9			
				Cell cycle, mitosis, meiosis and their					
				significance					
				Meiosis I and II					
SEPTEMBER				REVISION	REVISION				
OCTOBER	18	15	4	Chapter13: Photosynthesis in	PRACTICAL	4			
				Higher Plants	1.Preparation and study				

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				Photosynthesis as means of autotrophic nutrition; site of photosynthesis,	of T.S. of dicot and monocot roots and stems				
				pigments involved in photosynthesis	SPOTTING				
				photochemical and biosynthetic	1. Mitosis in onion root tip				
				phases of photosynthesis; cyclic	cells and animals cells				
				and non-cyclic photophosphorylation;	from permanent slides.				
				chemiosmotic hypothesis;					
				photorespiration					
				Chapter-14: Respiration in Plants	observation of various	4			
				Exchange of gases; cellular respiration	videos and ppt and e-				
				glycolysis, fermentation,TCA cycle	content on this lesson,				
				electron transport system,					
				energy relations,respiratory quotient.					
NOVEMBER	20	20		Chapter-15: Plant - Growth and	PRACTICAL	6			
				Development	1.Study of the rate of respiration				

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				Seed germination phase of plant growth	in flower buds/leaf tissue				
				growth rate; conditions of growth;	2..Comparative study of the rates				
				differentiation, dedifferentiation and	of transpiration in the upper and				
				redifferentiation	lower surfaces of leaves.				
				Chapter-17: Breathing and Exchange of	3. Test for presence of urea in urine.	7			
				gases,	4. Test for presence of sugar in urine.				
				Respiratory organs in animals	5. Test for presence of albumin in urine.				
				Respiratory system in humans;					
				mechanism of breathing and its					
				regulation in humans exchange of gases,					
				transport of gases and regulation of					
				respiration, respiratory volume disorders					
				Chapter-18: Body Fluids and Circulation		7			

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				Composition of blood, blood groups, coagulation of blood; composition					
				human circulatory system, cardiac cycle					
				ECG; double circulation,					
				regulation of cardiac activity					
				disorders of circulatory system					
DECEMBER	25	23	5	Chapter-19: Excretory Products and their Elimination	PRACTICAL	15			
					Test for the presence of sugar, Starch,				
					proteins, and fats in suitable plant				
				Modes of excretion - ammonotelism, ureotelism, uricotelism; human	and animal materials.				
				excretory system, structure and function					
				urine formation, osmoregulation	SPOTTING				
				regulation of kidney function	Human skeleton and different				
				Chapter-20: Locomotion and Movement	types of joints with the help of	8			
					virtual images/models only				
				Types of movement - ciliary, flagellar, muscular; skeletal muscle,					
				contractile proteins and muscle					

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				contraction; skeletal system and					
				its functions; joints; disorders of					
				f muscular and skeletal systems					
JANUARY	26	26		Chapter-21: Neural Control and	ACTIVITY	18			
				Coordination	1. PROJECT ON NERVOUS SYSTEM				
				Neuron and nerves; Nervous system in					
				humans, central nervous system;	PRACTICAL				
				peripheral nervous, system and visceral	Separation of plant pigment through				
				nervous system	paper chromatography				
				Chapter-22: Chemical Coordination and		8			
				Integration					
				Endocrine glands and hormone					
				human endocrine system-hypothalamus,					
				pituitary, pineal, thyroid,					
				, parathyroid, adrenal, pancreas, gonad					
				dwarfism, acromegaly, cretinism, goiter					
FEBRUARY				REVISION					

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July	25	25	Relation and Function	Introduction					
				Cartesian Products of Sets	b) To represent set theoretic operations using venn diagram	12			
				Relation ,Domain ,Co-domain and Range of a Relation					
				Function ,	c) To identify a relation and a function				
				Some Standard Real Function and Their Graph					
				Operation on Real Function					
			Complex Number and	Integral Power of i	d) To verify that for two set A and B , $A \cap B = pq$ and the total	13			
			Quadratic Equation	Equality of Complex Number	number of relation from A to B is $2^{\text{power } pq}$				
				Operations on Complex Numbers	where $A=p$ and $B =q$				
				Addition of Complex Numbers					

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				Difference of Complex Numbers					
				Conjugate and Modulus of a Complex Numbers					
				Square Root of a Complex Numbers					
				Representation of Complex Numbers					
				Quadratic Equation					
				Polar Representation of a Complex Numbers					
August	25	25	Sequences	Sequences and progressions	To obtain formula for the sum of squares of first n-natural	5			
			Progressions and Series	Finite and Infinite Sequences	numbers.				
				Arithmetic Progression,Arithmetic Mean,					
				Geometric Progression,Geometric Mean					
				Sum to n Term of Series					
				Some Special Series					
				Relation between Arithmetic Mean and Geometric Mean					
			Straight Lines	Introduction		10			
				slope of line					

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				Slope of a line through two point					
				angle between two lines					
				condition of collinearity					
				equation of horizontal and vertical lines					
				equation of line in point slope form					
				equation of a line in two point form					
				equation of a line in intercept form					
				equation of a line in slope intercept form					
				reducing general equation to slope intercept form					
				reducing general equation to intercept form					
				distance of a point from a line					
				equation of family of lines through the intersection of two lines					
			Limit and Differentiation	Limit of algebraic Function		5			
				Direct Substitution Method					
				Factorisation Method					
				Rationalisation Method					
				limit of Expressions of a Standard					
				limit of trigonometric function					
				logarithmic limit					
				Exponential limit					
				Some Special limit					
				Differentiability of a Function at a point					
				Differentiability of a real function					

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				Basics Rules of Differentiation					
			Statistics	Measures of Dispersion					
				Range of discrete frequency distribution		5			
				Range of Continuous frequency distribution					
				Mean Deviation about Mean of discrete distribution					
				Mean Deviation about Median of discrete distribution					
				Mean Deviation about Mean of continuous Distribution					
				Mean Deviation about Median of continuous distribution					
				Short-cut Method for standard Deviation of Ungrouped data					
				Standard Deviation of Discrete Distribution					
September			REVISION	REVISION	REVISION				
October	18	18	Trigonometric Function	Introduction	a) To prepare a model to illustrate the values of sine	15			

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				Angles and Their Measurement	function and cosine function for different angles				
				Relation between Degree and Radian	which are multiples of $\pi/2$ and π				
				Trigonometric Function and Identities					
				Trigonometric Function					
				Signs of Trigonometric Function					
				Domain ,Range ,and Graphs of Trigonometric Function	d) To verify the relation between the degree measure and				
				Principal Solution					
				General Solution					
				Law of Sines					
				Law of Cosines					
			Linear Inequality	Introduction	b) To represent set theoretic operations using venn diagram	3			
				Algebraic Solution of Inequalities in one variable	the radian measure of an angle				
November	20	20		Word Problem based on Inequalities in one variable		5			

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
				Graphical Solution of Inequalities in one variable					
				Graphical Solution of Inequalities in Two variable					
				Test					
				Introduction					
				Multiplication Principle					
				Factorial					
				Practical Problems on Permutation					
				Practical Problems on Permutation					
				Problems on both Permutations and Combinations					
			conic section	Introduction	To construct different types of conic sections	12			
				standard equation of circle					
				general equation of a circle					
				eccentricity of a parabola					
				standard equation of parabola					
				eccentricity of an ellipse					
				standard equation of an ellipse					
				length of latus rectum of an ellipse					
				eccentricity of a hyperbola					
				standard equation of hyperbola					
			Introduction to 3	Co-ordinate axis and coordinate planes in 3D		3			
December	25	25	Dimensional Geometry	Coordinates of a point		10			

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MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/P ROJECTS/PRA CTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRE D	SIGN OF SUBJECT TEACHER	VERIFICA TION & SIGN. OF INCHARG E	VERIFICA TION & SIGN. OF PRINCIPA L
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CLASS - 11			SUBJECT-	PHYSICS					
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/P ROJECTS/PRA CTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRE D	SIGN OF SUBJECT TEACHER	VERIFICA TION & SIGN. OF INCHARG E	VERIFICA TION & SIGN. OF PRINCIPA L
JUNE	13	13	Unit I:	Chapter–2: Units and Measurements					
				<p>Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures. Dimensions of physical quantities, dimensional analysis and its applications.</p>	<p>To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.</p>	4			

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
					To measure diameter of a given wire and thickness of a given sheet using screw gauge.				
			Unit II:	Chapter–3: Motion in a Straight Line		5			
				Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non uniform motion, and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical treatment).		6			
JULY	25	25		Chapter–4: Motion in a Plane					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/P ROJECTS/PRA CTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRE D	SIGN OF SUBJECT TEACHER	VERIFICA TION & SIGN. OF INCHARG E	VERIFICA TION & SIGN. OF PRINCIPA L
				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 motio		5			
			Unit III:	Chapter–5: Laws of Motion					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
				Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road)		6			
	PRE MID TERM EXAMINATION								
AUGUST	25	25	Unit IV:	Chapter–6: Work, Energy and Power					
				Work done by a constant force and a variable force; kinetic energy, work energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non-conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.		4			

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
			Unit V:	Chapter–7: System of Particles and Rotational Motion					
				<p>Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod.</p> <p>Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications.</p> <p>Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions.</p> <p>Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).</p>		7			
			Unit VI:	Chapter–8: Gravitation		1			

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
				Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape speed, orbital velocity of a satellite.	To determine angle of minimum deviation for a given prism by plotting a graph	1			
SEPTEMBER				REVISION FOR MID TERM EXAMINATION					
	MID TERM EXAMINATION								
OCTOBER	18	15	Unit VII:	Chapter–9: Mechanical Properties of Solids					
				Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy	To find the force constant of a helical spring by plotting a graph between load and extension.	7			
					To determine Young's modulus of elasticity of the material of a given wire.				
			Unit VII:	Chapter–10: Mechanical Properties of Fluids					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
				Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.	To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.	6			
NOVEMBER	20	20		Chapter–11: Thermal Properties of Matter					
				Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law .		4			

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
			Unit VIII:	Chapter–12: Thermodynamics					
				Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.					
DECEMBER	25	23	Unit IX:	Chapter–13: Kinetic Theory					
				Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number	To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.	6			
			Unit X:	Chapter–14: Oscillations					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
				Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M) and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.					
				Chapter–15: Waves					
				Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats	To study the relation between frequency and length of a given wire under constant tension using sonometer.				
				CASE STUDY					
				REVISION					
				REVISION					
	POST MID TERM EXAMINATION [FULL SYLLABUS]								
JANUARY	26	26		REVISION					

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CHHATTISGARH PUBLIC SCHOOL

YEARLY PLANNER (SESSION 2023-24)

CLASS -		11th	SUBJECT-	Accountancy					
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
June	13	13	1.Introduction to Accounting	Accounting- concept, meaning, as a source of information, objectives, advantages and limitations,		19			
				Basic Accounting Terms- Entity, Business Transaction, Capital, Drawings. Liabilities (Non Current and Current). Assets (Non Current, Current); Expenditure (Capital and Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Goods					
				Theory Base of Accounting Fundamental accounting assumptions: GAAP: Concept					
				, Accounting Equation					
July	25	25	2.: Accounting Process	Rules of Debit and Credit. Recording of Transactions: Books of Original Entry- Journal Cash Book: Simple, cash book with bank		37			
August	25	25	2.: Accounting Process	Special Purpose books: Purchases book Sales book Purchases return book Sales return book, Bank Reconciliation Statement: Trial balance	Project File	37			

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MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
CLASS - 11th SUBJECT- Business Studies									
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
June	13	13	1.Nature & Purpose of Business	1.1 Introduction ,Types of Human activities, Concept and characteristics of Business	Identify the points of significance of economic and non economic activities .Case Base Studies Questions .	4			
				1.2Objectives of business, Role of profit ,Classification of business activities		5			
				1.3 Industry , Commerce ,Business Risk		5			
July	25	25	2. Forms fo Business Organization	2.1 Introduction , Forms of private sector enterprises	Project on Company ,Concept and procedure of Formation of Company .	4			
				2.2 Co-operative organisation ,H.U.F.	Project on Partnership , Partnership Deed.	3			
				2.3 Formation of a Joint Stock Company ,Importance documents used in the formation of a company		4			
			9. Internal Trade	9.1 Meaning and main features of internal trade		3			
				9.2 Types of internal Trade		4			

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November	20	20	6. Social Responsibilities of Business and Business Ethics	6.1Introduction , concept of social responsibility	Oral Presentation on given topics in class .	2			
				6.2 Social Responsibility towards different interest group ,		2			
				6.3 Business and Environment Protection ,		2			
				6.4Business Ethics		2			
			7. Source of Business Fincance	7.1Meaning and nature of business finance		2			
				7.2 Sources of Finance on the basis of ownership , Sources of Raising Finance		2			
				7.3 Borrowed Fund , Owners Fund		1			
December	25	23	5. Emerging modes of Business	Introduction , Scope of e-business , Resources for sucessful implementation of e -business.		2			
				E- Business v/s Traditional Business		3			
				Outsourcing concept , Knowledge Process (KPO)		2			
				Smartcard and ATMs Meaning and utility .		1			
			10.International Business	Meaning and nature of External Trade International ,	Make a PPT presentation on international trade ,Export Trade ,Import Trade and their suportive Documents .	2			
				Problems of International Business ,Reasons for International Business.		2			

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				International Business V/s. Domestic Business		1			
				Mode of Entering into international Business		2			
				Export Import Documents , Important Terms used in External Trade		1			
January	26	26	8. Small Business	Introduction , Meaning of Small Business ,Characteristics of Small -Scale Industry	Make Chart representation on government assistance and special schemes for industrial ,Rural and	2			
				Role of Small Business in Rural India		2			
				Government Assistance and Special Schemes for Industries in Rural ,Backward and Hilly Areas.		3			
February	Revision	Revision	Revision	Revision	Revision	Revision			
July		Pre-mid Term Portion	1 & 2						
September		Mid Term Portion	1 to 3 & 9						
January		Post Term Portion	4 to 7						
February		Final Term Portion	1 to 10						

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CLASS -		11		SUBJECT-	Economics (030)				
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
June	13	13	Statistics PART A	Introduction					
			unit 1	meanig,concept of economics and sugnificanc of economics for statistics		2			
			Unit 2	Collection ,Organigation,presentation of data		5			
				chapter 2- Collection of data (type of data,method of collection of data)	data collection				
			Micro Economics	Introduction					
			Unit 4	Meaning of microeconomics and macroeconomics; positive and normative economics		3			
				What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost.					
			Unit 5	Consumers Equilibrium		3			
				meaning of utility, marginal utility, law of diminishing marginal utility,					

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				conditions of consumer's equilibrium using marginal utility analysis.					
July	25	25	Statistics PART A						
			Unit 2	Collection, Organisation, Presentation of data					
				Organisation of data ch-3		4			
				Meaning and types of variables; Frequency Distribution.					
				Presentation of data ch-4					
				(i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams		5			
				(histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).					
			PART B						
			MICRO ECONOMICS						
			UNIT 6	Producers Behaviour and Supply					
				Production Function chapter 3		3			
				(Short-Run and Long-Run					
				Total Product, Average Product and Marginal Product.					
				Returns to a Factor)					
				Concept of Cost Chapter -4					
				Short run costs – total cost, total fixed cost, total variable cost; Average cost; Average fixed		3			

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				, average variable cost and marginal cost-meaning and their relationships.					
				Concept Of Revenue-5					
				total, average and marginal revenue – meaning and their relationship.		2			
			PART A	Statistics Tools					
			Statistics	Measures of Central Tendency – Arithmetic mean, median and mode.					
			UNIT 3	Mean		8			
August	25	25	PART A	Median		10			
			Statistics	Mode		10			
			PART B	Concept Of Revenue-5					
			MICRO ECONOMICS	total, average and marginal revenue – meaning and their relationship.		5			
September				REVISION					
October	25	25	PART B	Unit 7: Forms of Market and Price Determination					

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CHHATTISGARH PUBLIC SCHOOL

YEARLY PLANNER (SESSION 2023-24)

CLASS- 11 SUBJECT- GEOGRAPHY

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
JUNE	13	13	I	GEOGRAPHY AS DISCIPLINE		2			
				MEANING AND DEFINITION OF GEOGRAPHY					
				Geography as an integrating discipline					
				Branches of Geography (Physical and Human)					
				Physical branches of geography					
			II	ORIGIN AND EVOLUTION OF THE EARTH		4			
				ORIGIN OF THE EARTH					
				FORMATION OF PLANETS					
				FORMATION OF STARS					
				EVOLUTION AND DEVELOPMENT OF LITHOSPHERE, ATMOSPHERE, HYDROSPHERE					
				ORIGIN OF LIFE					
			III	INTERIOR OF THE EARTH		4			
				SOURCES OF INFORMATION					
				EARTHQUAKE AND EARTHQUAKE WAVES					
				CAUSE AND EFFECT OF EARTHQUAKE					
				SHADOW ZONE					
				STRUCTURE OF EARTH					
				VOLCANOS AND VOLCANIC LANDFORMS					
				PRACTICAL: INTRODUCTION OF MAP		2			
				ESSENTIAL OF MAP MAKING					
				TYPES OF MAP					
				MEASUREMENT OF DISTANCE					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
			II	DISTRIBUTION OF OCEAN AND CONTINENTS		3			
				EVIDENCE IN SUPPORT OF CONTINENTAL DRIFT					
				FORCES FOR DRIFTING THE CONTINENT					
				OCEAN FLOOR CONFIGURATION					
				CONCEPT OF SEA FLOOR SPREADING					
				PLATE BOUNDARIES AND MAJOR AND MINOR PLATES OF THE WORLD					
				FORCES FOR THE PLATE MOVEMENT					
	25	25	III	MINERALS AND ROCKS		3			
				ELEMENTS OF EARTH CRUST					
				PHYSICAL CHARACTERISTICS OF MINERALS					
				MINERALS AND THEIR CHARACTERISTICS					
				FORMATION OF IGNEOUS, SEDIMENTARY AND METAMORPHIC ROCKS					
				ROCK CYCLE					
			I	GEOMORPHIC PROCESS		6			
				ENDOGENIC AND EXOGENIC PROCESS					
				DIASTROPHISM AND VOLCANISM					
				PHYSICAL WEATHERING					
				CHEMICAL WEATHERING					
				MASS WASTING					
				FORMATION OF SOIL					
			II	LANDFORM AND EVOLUTION OF EARTH		6			

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
JULY				WIND					
				WATER					
				GLACIERS					
				OCEANS					
			I	COMPOSITION AND STRUCTURE OF ATMOSPHERE		2			
				COMPOSITION OF ATMOSPHERE					
				STRUCTURE OF ATMOSPHERE					
				ELEMENTS OF WEATHER AND CLIMATE					
					PRACTICAL: MAP SCALE	2			
					TYPES OF SCALE				
					CONSTRUCTION OF GRAPHICAL SCALE				
			II	SOLAR RADIATION HEAT BALANCE AND TEMPERATURE		6			
				INSOLATION					
				HEATING AND COOLING OF ATMOSPHERE					
				HEAT BUDGET OF THE PLANET EARTH					
				FACTOR CONTROLLING TEMPERATURE DISTRIBUTION					
				HORIZONTAL DISTRIBUTION OF TEMPERATURE					
	PRE MID TERM EXAMINATION [CHAPTER 1 - 7]								
	25	25	II	ATMOSPHERIC CIRCULATION AND WEATHER SYSTEM		4			
				VERTICAL AND HORIZONTAL DISTRIBUTION OF PRESSURE					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
AUGUST				WORLD DISTRIBUTION OF SEA LEVEL PRESSURE					
				FORCES AFFECTING THE DIRECTION AND VELOCITY OF THE WIND					
				GENERAL CIRCULATION OF ATMOSPHERE					
				CYCLONES					
			III	WATER IN ATMOSPHERE		2			
				EVAPORATION AND CONDENSATION : THEIR TYPES AND FORMS					
				TYPES AND FORMATION OF CLOUDS					
				PRECIPITATION AND PROCESS					
				TYPES OF RAINFALL					
				WORLD DISTRIBUTION OF RAINFALL					
					PRACTICAL: LATITUDE LONGITUDE AND TIME	2			
					DIFFERENCE BETWEEN PARALLELS OF LATITUDE AND MERIDIANS OF LONGITUDE				
					TIME ZONE				
			I	WORLD CLIMATE AND CLIMATE CHANGE		3			
				KOEPPEN SCHEME OF CLASSIFICATION OF WORLD CLIMATE					
				CAUSES OF CLIMATE CHANGE					
				GLOBAL WARMING					
			II	WATER OCEANS		4			
				HYDROLOGICAL CYCLE					
				RELIEF AND CONFIGURATION OF OCEAN FLOOR					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
				HORIZONTAL AND VERTICAL DISTRIBUTION OF OCEAN WATER TEMPERATURE					
				SALINITY OF OCEAN WATER					
			III	MOVEMENT OF OCEAN WATER		4			
				CHARACTERISTICS OF WAVES					
				TIDES: FORMATION, TYPES AND EFFECT					
				DIFFERENT TYPES OF OCEAN CURRENT					
					PRACTICAL: MAP PROJECTION	2			
					NEED OF MAP PROJECTION				
					CONSTRUCTION OF CONICAL, CYLINDRICAL AND MERCATOR'S PROJECTION				
			I	LIFE ON EARTH		4			
				ECOLOGY					
				TYPES AND FUNCTION OF ECOSYSTEM					
				BIOGEOCHEMICAL CYCLE					
				ECOLOGICAL BALANCE					
SEPTEMBER			III	BIODIVERSITY AND CONSERVATION		6			
				LEVEL OF BIODIVERSITY					
				IMPORTANCE OF BIODIVERSITY					
				LOSS OF BIODIVERSITY					
				CONSERVATION OF BIODIVERSITY					
	MID TERM EXAMINATION [CHAPTER 1 - 16]								
	18	15	I	INDIA: LOCATION		2			
				LOCATION					
				SPACE RELATION					
				INDIA'S PLACE IN THE WORLD					
			II	STRUCTURE AND PHYSIOGRAPHY		7			

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
OCTOBER				PHYSIOGRAPHIC DIVISIONS OF INDIA					
				The Northern and North-eastern mountain					
				The Northern Plain					
				The Peninsular Plateau					
				The Indian Desert					
				The Coastal Plains					
				The Islands.					
					PRACTICAL: TOPOGRAPHICAL MAP	2			
					KEY CONCEPT				
					SYMBOLS USED IN TOPOGRAPHICAL MAP				
					TYPES OF SLOPES				
					IDENTIFICATION AND INTERPRETATION OF MAP				
			III	DRAINAGE SYSTEM		6			
				ORIGIN OF A RIVER					
				IMPORTANT DRAINAGE PATTERNS					
				DRAINAGE SYSTEM OF INDIA					
				HIMALAYAN DRAINAGE SYSTEM					
				PENINSULAR DRAINAGE SYSTEM					
				COMPARISON BETWEEN HIMALAYAN AND PENINSULAR DRAINAGE SYSTEM					
				RIVER REGIMES					
	20	20	I	CLIMATE		8			
				FACTOR DETERMINING THE CLIMATE OF INDIA					
				MECHANISM OF WEATHER IN SUMMER AND WINTER SEASON					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
NOVEMBER				MECHANISM OF MONSOON					
				THE RHYTHM OF SEASON					
				CHARACTERISTICS AND DISTRIBUTION OF RAINFALL					
				CLIMATIC REGIONS OF INDIA					
			II	NATURAL VEGETATION		6			
				TYPES OF VEGETATION					
				TROPICAL EVERGREEN					
				TROPICAL DECIDUOUS					
				TROPICAL THORN					
				MONTANE & LITORAL					
				FOREST CONSERVATION OF INDIA					
				WILDLIFE AND THEIR CONSERVATION					
				BIOSPHERE RESERVES					
					PRACTICAL: INTRODUCTION TO REMOTE SENSING	2			
					STAGES OF REMOTE SENSING				
					GEOSTATIONARY AND SUNSYNCHRONOUS SATELLITE SENSORS				
					IDENTIFICATION				
			III	SOILS		6			
				FORMATION OF SOIL					
				CLASSIFICATION OF SOILS					
				SOIL DEGRADATION AND SOIL EROSION					
DECEMBER	25	23	III	NATURAL HAZARD AND DISASTER		4			
				MEANING OF HAZARD AND DISASTER					
				CLASSIFICATION OF NATURAL HAZARD AND DISASTER					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
DECEMBER				MITIGATION AND MANAGEMENT OF DIFFERENT HAZARD AND DISASTER					
					PRACTICAL: WEATHER INSTRUMENT, MAP AND CHARTS	2			
					WEATHER OBSERVATIONS				
					WEATHER INSTRUMENTS				
					WEATHER MAP AND CHART AND INTERPRETATION				
				REVISION					
				REVISION					
JANUARY	26			REVISION					
				REVISION					
	POST MID TERM EXAMINATION [FULL SYLLABUS]								
FEBRUARY				REVISION					
				REVISION					
				REVISION					
	FINAL TERM EXAMINATION [FULL SYLLABUS]								

CLASS -		11		SUBJECT-	HISTORY				
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
JUNE	13	13	Writing and City Life	a. Growth of towns	<ul style="list-style-type: none"> Assignment: Writing and City Life; Timeline II 	6			

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MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
			Displaying indigenous People	Focus: North America and Australia, 18 th -20 th century.		9			
				a. European colonists in North America and Australia					
				b. Formation of white SETTLER SOCIETIES					
				c. Displacement and repression of local people					
				d. Historians' viewpoints on the impact of European settlement on indigenous population.					
NOVEMBER	20	20	PATH TO MODERNISATION	Focus: East Asia, Late 19 th and 20 th Century.	Assignment: Path to Modernisation	15			
				a. Militarization and economic growth in Japan	Discussion of Scoring Point/ Marking Scheme/ Sample Questions				
				b. China and the Communist alternative	Timeline/ concept mapping				
				c. Historians' Debate on the meaning of modernization	Project: Final Submission				
DECEMBER	25	25		REVISION					
JANUARY	26	26		REVISION					

CLASS -	11		SUBJECT-	Economics (030)				
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MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
July	25	25	Statistics PART A						
			Unit 2	Collection, Organisation, Presentation of data					
				Organisation of data ch-3		4			
				Meaning and types of variables; Frequency Distribution.					
				Presentation of data ch-4					
				(i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams		5			
				(histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).					
			PART B						
			MICRO ECONOMICS						
			UNIT 6	Producers Behaviour and Supply					
				Production Function chapter 3		3			
				(Short-Run and Long-Run					
				Total Product, Average Product and Marginal Product.					
				Returns to a Factor)					
				Concept of Cost Chapter -4					

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MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
October	25	25	PART B	Unit 7: Forms of Market and Price Determination					
			MICRO ECONOMICS	Perfect competition – Features; Determination of market equilibrium and effect of shifts in demand and supply.		10			
			PART A	Correlation		15			
			STATISTICS	meaning and properties, scatter diagram					
				Measures of correlation – Karl Pearson's method					
				Spearman's rank correlation.					
November	20	20	PART A	Dispersion					
			STATISTICS	Arithmetic Mean Formula: Quartile Formula	Presentation of final file	10			
				Standard Deviation Formula: Variance		10			
December	25	25	PART A	Introduction to Index Numbers					
			STATISTICS	wholesale price index, consumer price index and index of industrial production		10			

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CHHATTISGARH PUBLIC SCHOOL

YEARLY PLANNER (SESSION 2023-24)

CLASS - 11th			SUBJECT- PHYSICAL EDUCATION						
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
JUNE	13	3	UNIT-1	Changing Trends And Career in		10			
				meaning and definition of physical	SAI khelo India				
				Physical Education, its Aim and					
				career option in physical education.					
				competition in various sports at national					
				khelo India and fit India programme.					
JULY	25	2	UNIT-2	Olympic values					
				Ancient and modern Olympics		6			
				Olympic concept and Olympic values					
				Olympics -symbol, Motto, flag and					
				Olympic movement structure IOC, NOC					
				IFSC ,other members					
		3	UNIT-3	YOGA	Yoga practice				
				meaning and importance of yoga		6			
				introduction to ashtanga yoga					
				Introduction to yogic kriyas					
			UNIT-4	physical education and sports for		6			
		2		Concept of disability and disorder	brockport				
				Types of disability its causes and nature					
				Aims and objective of adopted physical					
				Role of various professionals for					
				Counselor ,occupational therapist					
AUGUST	25	2	UNIT-5	physical fitness health and wellness	Athletics	10			
				Meaning and introduction of wellness					
				components /dimensions of wellness					
				Traditional sports and Regional games					
			UNIT-6	Test, measurement and evaluation		10			
		3		Concept of test measurement and	SAI khelo India				
				Classification of test in physical					
				Test administration guidelines in					
SEPTE		REVISION	REVISION	REVISION					
OCTOB	18	3	UNIT-7	Fundamental anatomy physiology in	Badminton	2			

MONT H	TOTAL NO. OF WORKI NG DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITES/P ROJECTS/PR ACTICALS (W.R.T INTERNAL	NO. OF PERIOD S REQUIR ED	SIGN OF SUBJECT TEACHE R	VERIFICATI ON & SIGN. OF INCHARGE	VERIFICAT ION & SIGN. OF PRINCIPAL
				Definition and importance of anatomy		1			
				Functions of skeletal system		1			
				Function and structure of circulatory	Skipping	1			
				Function and structure of respiratory		2			
				Axis and Plane		1			
				concept and application in body		2			
NOVE	20	2	UNIT-8	Fundamentals of kinesiology and	Fitness				
				Definition and importance of cancel aji		2			
				Definition and importance of		2			
				Principles of biomechanics		2			
				Types of body movements		3			
		2	UNIT-9	Psychology and Sports					
				Definition and Importance of		2			
				Adolescent problem		2			
				adolescence management		2			
				Team cohesion and sports		3			
DECEM	25	5	UNIT-10	Training and Doping in sports	PRATCICE				
				Meaning and Concept of Sport training.		2			
				Principles of training.		1			
				Training load		1			
				Overload and adaptation		1			
				Rest and recovery		1			
				Concept of doping		1			
				Disadvantage of doping		1			
				Revision of all topics					

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
CLASS -11 HINDI CORE(302)									
MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL
अप्रैल	21	21	आरोह-गद्य	नमक का दरोगा, मियां नसरुद्दीन		21			
			काव्य	कबीर, मीरा					
			वितान	भारतीय गायिकाओं में बेजाड़: लता मंगेशकर					
			आभिव्यक्ति	जनसंचार माध्यम, शब्दकोश, अपठित गद्य।					
जून	13	13	आरोप गद्य	अप्पू के साथ ढाई साल					
			काव्य	घर की याद					
			आभिव्यक्ति	पत्रकारिता के विविध आयाम, दृश्य लेखन	वाचन कोशल	13			
जुलाई	15+10=25	25	आभिव्यक्ति	डायरी लेखन की कला।	श्रवण कोशल	25			
	प्रो मिड टर्म		प्रो मिड टर्म	उपयुक्त पाठ्यक्रमों की पुनरावृत्ति अभ्यास कार्य	टेस्ट-1.		sandhya sh.		
अगस्त	25	25	आरोह-गद्य	विदाई संभाषण, गलता लोहा		25			
			काव्य	चपा काले काले अक्षर नहीं चोन्हती, गजल	आर्ट इंटीग्रेटेड				
			वितान	राजस्थान की रजत बूंद।	परियोजना कार्य				
			आभिव्यक्ति	कथा पटकथा डायरी लेखन की कला।					
सितंबर	10+10=20	20	आरोह-गद्य	रजनी		20			
	मिड टर्म		परीक्षा हेतु	उपयुक्त पाठ्यक्रमों की पुनरावृत्ति	टेस्ट-2.		Sandhya sh.		
अक्टूबर -	18	18	आरोह-गद्य	जामुन का पेड़		18			
			काव्य	अक्क महादेवी, सबसे खतरनाक।					
			आभिव्यक्ति	स्वतंत्र लेखन और रोजगार संबंधी आवेदन।					
नवंबर		20	पोस्ट मिड टर्म	उपयुक्त पाठ्यक्रमों की पुनरावृत्ति अभ्यास कार्य	टेस्ट -3.	20	Sandhya sh.		
दिसंबर	25	25	आरोह- गद्य	भारत माता ।	परियोजना कार्य	25			
			काव्य	आओ मिलकर बचाए।					
			वितान	आली आधारी ।	श्रवण कोशल				
			आभिव्यक्ति	शब्दकोश, पत्र लेखन, अपठित काव्य।	वाचन कोशल,				
जनवरी	26	26	वार्षिक परीक्षा	सैंपल पेपर के आधार पर उपर्युक्त संपूर्ण पाठ्यक्रम की पुनरावृत्ति		26	sandhya sh.		

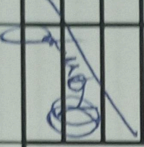
CHHATTISGARH PUBLIC SCHOOL

YEARLY PLANNER (SESSION 2023-24)

COMPUTER SCIENCE

SUBJECT-

CLASS - 11

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICES (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION N & SIGN. OF INCHARGE	VERIFICATION N & SIGN. OF PRINCIPAL
JUNE	13	13	1	DATA REPRESENTATION		12			
				NUMBER CONVERSION					
				DECIMAL TO BINARY, BINARY TO DECIMAL, DECIMAL TO OCTAL	WRITTEN PRACTICE SOLVING THE QUESTION				
				OCTAL TO DECIMAL, OCTAL TO BINARY, BINARY TO OCTAL					
				DECIMAL TO HEX, HEX TO DECIMAL, BINARY TO HEX, HEX TO BINARY					
JULY	25	26	2	ASCII, ISCII, UNICODE		13			
				BOOLEAN LOGIC					
				DEVELOPMENT OF BOOLEAN LOGIC, BINARY VALUED QUANTITIES, LOGICAL OPERATIONS	WRITTEN PRACTICE SOLVING THE QUESTION				
				BASIC LOGIC GATES					
				BASIC POSTULATES OF BOOLEAN LOGIC					
				PRINCIPAL OF DUALITY					
				DEMORGAN'S THEOREMS					
				SIMPLIFY THE BOOLEAN EXPRESSIONS & LOGIC GATES					
				GETTING STARTED WITH PYTHON	PRACTICAL WORK FOR DEFINING CHARACTER SET, TOKEN VARIABLE				
AUGUST	25	25	V	INTRODUCTION, PULSES SOME MINOR, WORKING IN PYTHON, FIRST PROGRAM SCRIPT		11			
				PYTHON FUNDAMENTAL					
				CHARACTER SET, TOKENS,					
				BAREBONES OF PYTHON, VARIABLES, SIMPLE OUTPUT & INPUT					
AUGUST	25	25	VI	PRE MID TERM EXAMINATION [CHAPTER 1-5]		6			
				DATA HANDLING	PRACTICAL WORK OF CREATION OF MY SQL				
				DATA TYPES, MUTABLE IMMUTABLE TYPES, OPERATORS, EXPRESSION					
				CONDITIONAL & ITERATIVE STATEMENT					
				TYPES OF STATEMENT, FLOW CONTROL, PROGRAM LOGIC & DEVELOPMENT TOOLS					
AUGUST	25	25	VIII	IF STATEMENT OF PYTHON					

CLASS - 11

SUBJECT-

COMPUTER SCIENCE

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION & SIGN. OF INCHARGE	VERIFICATION & SIGN. OF PRINCIPAL			
AUGUST	20	20	IX	REPETITION OF TASKS A NECESSITY , RANGE() FUNCTION , ITERATION/ LOOPING STATEMENTS								
				STRING MANIPULATION	PRACTICAL WOK	9						
				TRaversing A STRING , STRING OPReATIONS , STRING SLICES								
				21 FUCNTION AND METHODS								
				STRING OPERATORS								
				LIST MANIPULATIONS								
				CREATING & ACCESSING LISTS , LIST OPReATIONS , WORKING WITH LISTS								
				2D LIST FUNCTIONS								
				2D LIST OPERATIONS								
				REVISION OF MID TERM EXAM								
SEPTEMBER	20	20	X	REVISION TOUR 1								
				REVISION TOUR 2								
				PYTHON FUNCTION								
				PYTHON LIBRARIES								
				MYSQL								
				MID TERM EXAMINATION [1-10 CHAPTER]								
				TUPLES								
				CREATING & ACCESSING TUPLES , TUPLES OPReATIONS , WORKING WITH TUPLES								
				TUPLES FUNCTIONS								
				TUPLES METHODS								
OCTOBER	18	15	XI	TUPLES IMMUTABLE OR MUTABLE								
				Dictionaries								
				Dictionary KEY VALUE PAIRS								
				WORKING WITH Dictionary								
				Dictionary FucNTions & METHODS								
			IX	Dictionaries								
				Dictionary KEY VALUE PAIRS								
				WORKING WITH Dictionary								
				Dictionary FucNTions & METHODS								
				CYBER SAFETY								
NOVEMBER	20	20	IX	Dictionary KEY VALUE PAIRS								
				WORKING WITH Dictionary								
				Dictionary FucNTions & METHODS								
				CYBER SAFETY								
				CYBER SAFETY								
			MID TERM EXAMINATION [1-10 CHAPTER]									
			TUPLES									
			CREATING & ACCESSING TUPLES , TUPLES OPReATIONS , WORKING WITH TUPLES									
			TUPLES FUNCTIONS									
			TUPLES METHODS									

MONTH	TOTAL NO. OF WORKING DAYS	TOTAL NO. OF WORKING DAYS FOR ACADEMIC ACTIVITIES	UNITS	SUB-UNITS/LESSONS (WITH DETAILS OF CONTENTS)	ACTIVITIES/PROJECTS/PRACTICALS (W.R.T INTERNAL ASSESSMENT)	NO. OF PERIODS REQUIRED	SIGN OF SUBJECT TEACHER	VERIFICATION N & SIGN. OF INCHARGE	VERIFICATION N & SIGN. OF PRINCIPAL
DECEMBER	25	23	IX	CYBER SAFETY , SAFELY BROWSING THE WEB, CYBER CRIME APPROPRIATE USE OF SOCIAL NETWORKING ONLINE ACCESS AND COMPUTER SECURITY	PRACTICAL	10			
			X	THREATS OF COMPUTER SECURITY , COMPUTER VIRUS , SPYWARE , ADWARE SPAMMING , OC INTRUSION , EAVESDROPPING , PHISING & PHARMING COOKIES , SOLUTION OF COMPUTER SECURITY THERATS FIREWALL	PRACTICAL	5			
				POSTMID TERM EXAMINATION [FULL SYLLABUS]					
JANUARY	26	26		REVISION					
FEBRUARY				REVISION					
				FINAL TERM EXAMINATION					