## Indian School Wadi Kabir

ISWK SHARING KNOWLEDGE (Monthly Plan - April 2024)

class XI

Subjects	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
English	BRIDGE COURSE Syllabus Overview	BRIDGE COURSE Hornbill: The Portrait of a Lady (Prose) The Photograph (poem)	Hornbill: The Photograph (poem) GRAMMAR: Tenses Reading	WRITING: Classified Advertisement s GRAMMAR: Tenses	Comprehe nsion- unseen passage	RECALL of Vocabulary, Grammar and Comprehension -to perceive meaning and organisation of the text -using appropriate Writing formats and fluency, inference, analysis and creativity -Ability for deeper understanding of the text and the real world around them -Draft advertisements -Use grammatical structures
Mathematics	BRIDGE COURSE Basics of maths learned till class 10	BRIDGE COURSE Basics of maths learned till class 10	Sets and their representati ons, Empty set, Finite & Infinite sets. To recognize Subsets.	Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set.	Using the knowledg e about sets in real life situations	BRIDGE COURSE To recall the basics of maths learned till class 10. To be cognizant of Venn diagrams. Union and Intersection of sets. Difference of sets.

			Subsets of a set of real numbers especially intervals. Power set, Universal set.	Properties of complement sets. Practical problems on union and intersection of sets		Complement of a set. Properties of complement sets. Practical problems on union and intersection of sets. To apply the knowledge about sets in real life situations
Physics	Bridge Course : Rest and Motion.Equatio ns of motion, Graphs, Scalar and vector quantities, physical quantities,units, conversions	<b>Bridge Course :</b> Newton's three laws of motion, Inertia,momentu m,Types of work, energy, power, Universal law of gravitation. Acceleration due to gravity	Chapter–3: Motion in a Straight Line Frame of reference, Motion in a straight line,Elementa ry concepts of differentiatio n and integration for describing motion, uniform and non-uniform motion	instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs.	Relations for uniformly accelerated motion (graphical treatment). worksheet and exercise questions	Learners will recall the concepts studied in the previous classes. Learners will be able to understand the term motion as a relative term and classification of motion. Learners will be able to understand the significance of three equations of motion in our daily life along with it mathematical calculus analysis.
Chemistry	Bridge Course : Importance of Chemistry	Bridge Course : Ionic and covalent Bond	Unit 1 Some basic concepts of Chemistry	Mole Concept and Molar Masses	Stoichiom etry and Stoichiom	-state various laws of chemical combination namely Law of conservation of mass, Law of definite
	Atomic and Molecular Masses, Bohr's Model.	Mole concept, Organic functional groups.	Laws of Chemical Combinatio ns, Atomic	Percentage Composition	etric Calculatio ns	proportions, Law of multiple proportions, Gay Lussac's law of gaseous volumes,

			and Molecular Masses			Avogadro law. -appreciate the importance of these laws in chemistry. -solve problems based on laws of combination. -differentiate between empirical formula and molecular formula of a compound. -understand the terms mole concept, mole fraction, molarity, molality and mass percent. -solve problems involving limiting reagents.
Biology	Bridge Course : Revision of important terms of biology. (Diversity in animal and plant kingdom, Cell Biology)	Cell : Unit of Life. Introduction to different cell organelles in prokaryotic and eukaryotic cells.	Cell : unit of life. Study each organelle in an eukaryotic cell in detail.	Cell Cycle and Division: Interphase, M phase. Introduction to different phases in M phase.	Cell Cycle and Division: Meiosis and mitosis. (Each phase in detail).	<ul> <li>-Recall the terms studied in earlier classes.</li> <li>-Revise the fundamentals of a cell.</li> <li>-Study the important features of each organelle.</li> <li>-Study the process of cell division and cell cycle and what are the different phases of the same.</li> </ul>
Informatics Practices	Unit 1- Introduction to Computer System - :	Input/Output Devices, Computer Memory: Units	Data deletion, its recovery and related	Software: purpose and types – system and	Unit 2 - Introducti on to python	Students will understand

	evolution of computing devices, components of a computer system and their interconnectio n	of memory, types of memory primary and secondary,	security concerns.	application software, generic and specific purpose software	Basics of python programm ing, interactive & script modes, Structure of program	<ul> <li>the functions of different units of a computer system</li> <li>Types of computer memory and its use</li> <li>Data security and related concerns</li> <li>Basics of python</li> </ul>
Computer Science	Unit 1 - Computer System Introduction to computer system, Evolution of computer, Computer memory	Data Transfer between Memory and CPU, Data and Information	Software, Operating System	Conversion of one number system to other number system	Boolean Logic – Basic Concepts of Flowchart - Computat ional Thinking and Program ming – Features of Python	Students will understand basic concepts of Computer System, Evolution of computer. They will know concepts related to memory, how data is stored in memory, working of microprocessor and operating system.
ACCOUNTANCY	Accounting- concept, meaning, as a source of information.	Objectives, advantages and limitations Types of accounting information Users of accounting information and their needs	Qualitative Characteristi cs of Accounting Information. Role of Accounting in Business.Ac counting	Accounting terminologies	Fundamen tal accountin g assumptio ns: GAAP: Concept	Describe the meaning, significance Describe the objectives and limitations of accounting. Knowledge of types of accounting information identify / recognise the individual(s) and entities that use accounting information for serving

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			terminologie s			their needs of decision making.Understanding of qualitative characteristics and way of accounting system: Double entry & single entry.Understand and explain the various accounting terms and differentiate between related terms. Able to give examples for different terms. Understand the terms The meaning of fundamental accounting assumptions and their relevance in accounting to accounting year.
BUSINESS STUDIES	Nature and Purpose of Business(Busi ness Trade and Commerce)	Business Concept, types and differences	Objectives, Role of Profit, IndustryCo mmerce and types, Trade and Auxiliaries toTrade	Forms of Business Organisation	HUF, and Cooperati ve Societies	Learners will acquire the knowledge of History of Trade and Commerce in India. They will be able to learn the basic concept of business, its types and their differences. Students will also learn the objectives, concepts of industry, commerce and its types. Learners will also learn the concept of auxiliaries to trade and its different types.

ECONOMICS	Statistics for Economics - Introduction Meaning, scope, and functions.	Importance of statistics in economics. Limitation of Statistics	Collection of Data- Sources of data - primary and secondary; How basic data is collected with concepts of Sampling;	Collection of Data - Methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.	Organisatio n of Data - Meaning and types of variables; Frequency Distributio n.	Learners will be able to - Analyse and interpret data related to various issues/events. Elucidate the subject economics in the definition used by many economists. Understand how economics is linked with economic activities in consumption, production, and distribution. Infer how variables of the data provide important information. Compare primary and secondary data with an example.
ENTREPRENEURSHIP	Unit 1: ENTREPRENE URSHIP - CONCEPT & FUNCTIONS Understand the concept of Entrepreneur ship	The functions of an Entrepreneur Appreciate the need for entrepreneursh ip for the nation.	Knowledge of entreprene urship helping in shaping one's career.	Understandin g of - myths, - advantages, - limitations of entrepreneur ship. The steps in the process of Entrepreneur ship. The current scenario of Entrepreneuri al activity in India	UNIT - II AN ENTREPRE NEUR. Types of Entrepren eur- dependin g on the nature, size and type of business	Entrepreneurship – Concept, Functions and Need Why Entrepreneurship for You Myths about Entrepreneurship Advantage and Limitations of Entrepreneurship Process of Entrepreneurship – The Indian Scenario Understand the motivation to become an entrepreneur Differentiate between various types of entrepreneurs

						Competencies- Vision, Decision making, Logical, Critical and Analytical Thinking, Managing Skills
MARKETING	EMPLOYABILI TY SKILLS – CHP 1: COMMUNICA TION SKILLS 1. Introduction to communicati on 2. Importance of communicati on 3. Elements of communicati on	4. Perspectives/ Barriers in communication Factors Affecting Perspectives in communication 5. Effective communication Verbal Communicatio n Public Speaking Non - verbal Communicatio n - types Visual Communicatio n 6. Communicatio n Styles 7. Refusal Skills	Tentative Eid Holidays	SUBJECT SPECIFIC SKILLS – UNIT 1 INTRODUCTI ON TO MARKETING 1. Introduction to Concept and Definition Of Marketing 2. Marketing 2. Marketing Concepts 3. Objectives of Marketing 4. Scope and Importance of Marketing Importance to the Marketers	Importanc e to Customer s Importanc e to Society 5. Marketing Philosoph Y 6. Marketing vs Selling Writing notes	<ol> <li>Define         <ul> <li>communication</li> <li>Illustrate the             effectiveness of             communication</li> <li>Analyze how             different elements             interact and influence             communication             outcomes.</li> </ul> </li> <li>Identify and             categorize factors             influencing             communication             perspectives             <ul> <li>Identify the                 components of                  effective verbal                  communication</li></ul></li></ol>

						assertive, passive, passive-aggressive, and aggressive 1. Define marketing 2. Explain various marketing concepts 3. Identify and explain the primary objectives of marketing 4. Describe the scope of marketing activities 5. Understand different marketing philosophies 6. Differentiate between marketing and selling by explaining their distinct focuses
ENGINEERING GRAPHICS	Class 11 starts on 3rd April. Introduction to the new subject Engineering Graphics.	Preliminary Contents of Engg.Graphics like Drawing instruments,size and shape	Layout of drawing sheet and title block construction with proper measuremen ts.	Unit 1 : Rectilinear Figures - Definitions, Bisection and construction of angle.	Types of lines,triang les	Recalling the concepts of bisection and construction of angles from earlier classes
PSYCHOLOGY	Unit 1: General Introduction and Overview of Subject and Gr.11 Syllabus. Chp 1:- What is Psychology? Introduction	Eid Holidays	Unit 1: What is Psychology? Evolution of Psychology Developme nt of Psychology in India	Psychology and other Disciplines Psychologist s at Work Psychology in Everyday life	Psycholog y and other Disciplines Psychologi st s at Work Psycholog y in	Learners will be able to;- *Develop a basic idea about the nature of Psychology *Understand various aspects of the Discipline *Enlist and describe various branches of Psychology * Relate to Daily relevance of the subject

	Unit 1: What is Psychology? Psychology as a Discipline, Natural Science and Social Science Understandin g Mind and Behaviour		Unit 1: What is Psychology? Branches of Psychology		Everyday life	
PHYSICAL EDUCATION	Introduction to Physical Education covers unit structures, projects, and practical activities.	Unit-1 Changing Trends and Careers in Physical Education Concept, Aims & Objectives of Physical Education	Changing Trends in Sports- playing surface, wearable gear and sports equipment, technologic al advanceme nts	Career options in Physical Education	Khelo-Indi a Program and Fit – India Program	To make the students understand the meaning, aims, and objectives of Physical Education, To make students know the different career options available in the field. To make them know about the Khelo India Program
SOCIOLOGY	Overview of Sociology, explaining structure of each unit, Project and	Unit 1: Sociology & Society	Unit 1: Sociology & Society	Unit 2: Terms, Concepts and their use in Sociology	Unit 2: Terms, Concepts and their use in Sociology	Learners will be able to: -understand the meaning of Sociology and the concept of Sociology -analyze the relation of

art integrated activities Unit 1: Sociology and Society (Introduction)			Sociology to other social sciences -learn about how and why sociology is a science -understand the Sociological imagination -understand the relation of Sociology to other social sciences -analyze the nature and scope of Sociology -learn about how and why sociology is a science -understand the intellectual roots of the birth of sociology, industrialization and capitalism -successfully answer OTQ's and STQ's on the topic -understand the meaning of Society & social control -understand deviance and its relation to social control
			Social Control

	Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - May 2024) class XI						
Subjects	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes	
English	GRAMMAR: Sentence reordering	Snapshots: The Summer of the Beautiful White Horse (Prose)	WRITING: Long Writing task: Speech Writing			-Express opinions, facts, arguments in the form of speech writing. Comprehend the difference between the literal and the figurative -able to answer local, global and competency based questions based on the literature texts. -Use grammatical structures accurately and appropriately	
Mathematics	Concept Ordered pairs, Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of all reals with itself (upto R x R x R).	Definition of relation, pictorial diagrams, domain, co-domain and range of a relation Pictorial representati on of a function, domain, co-domain &	Positive and negative angles. Measurin g angles in radians and in degrees and conversio n from one measure	Definition of trigonomet ric functions with the help of unit circle.	Revision For UT1	To rceogonize Function as a special kind of relation from one set to another. Pictorial representation of afunction, domain, co-domain & range of function. Real vlued functions, domain and range of the functions with their graphs. To recall Positive and negative angles. Measuring angles in	

		range of function. Real vlued functions, domain and range of the functions with their graphs.	to another.			radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle.
Physics	Chapter-4: 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 acceleratio n,projectile motion, uniform circular motion. Worksheet and exercise questions	Chapter-2: Units and Measureme nts: 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.	Learners will be able to understand basics of Scalar and Vector quantities along with its Mathematical analysis (Addition, subtraction, Product, Resolution, Projection) Learners will be able to understand the concept of Projectile and it mathematical analysis (Parabolic path, Maximum height attained, Range, Time of flight, Resultant velocity)
Chemistry	Unit II: Structure of Atom Bohr's model and its limitations	Dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle	Concept of shells and subshells, concept of orbitals, quantum numbers, shapes	Rules for filling electrons in orbitals, electronic configuratio n of atoms, Stability of half-filled and	Unit III: Classificatio n of Elements and Periodicity in Properties Modern periodic law and the present form	-understand the characteristics of the Bohr model as well as the causes of its failure. -appreciate that radiation and matter show dual behaviour.

			of s, p and d orbitals	completely filled orbitals.	of periodic table, Nomenclatu re of elements with atomic number greater than 100.	<ul> <li>-state the Heisenberg's uncertainty principle and solve problems based on the same.</li> <li>-arrange various orbitals in order of increasing energies and plot their energy level diagrams.</li> <li>-represent the electronic configuration for any given atom.</li> <li>-know the basis of modern periodic classification.</li> <li>-write the nomenclature of elements with atomic numbers greater than 100.</li> </ul>
Biology	Unit 3 : Biomolecules	Unit 1 : Living World	Unit 1: Biological Classificati on	Unit 2 : Chapter 5. Morphology Of Flowering plants	Unit 2 : Chapter 5. Morphology Of Flowering plants	<ul> <li>To Learn the types of biomolecules present in our nature.</li> <li>To Introduce and observe the different parts of flowering plants and study their features in pollination.</li> </ul>
Informatics Practices	Unit 2 - Introduction to python indentation, identifiers, keywords, constants, variables, types	Data types, mutable and immutable data types, statements, expressions, evaluation	input and output statement s, data type conversio n,	Control statements - if, if-else and programs using the same.	Control statements - if-elif-else and programs using the same	Students will be - Able to evaluate expressions according to operator preceden e - Able to write

	of operators, precedence of operators,	and comments,.	debuggin g			program using if else, if elif else - Able to use for loop and implement it in writing the simple coding where loops are needed.
Computer Science	Unit 2 - Computational Thinking & Programming Introduction, Python, python features Working in Python – working in default python Distribution, Execution modes, Python character set, Tokens- keywords, identifiers, literals, operators,	Variable and Assignments - creating a variable, multiple assignments, variable definition, dynamic typing. Simple Input and Output – reading numbers, output through print() statement.	Comment s, data types, type conversio n, types of errors. Writing and compiling Python programs.	Introduction , Types of Statements in Python. Statement flow control. Program logic developmen t tools – flowcharts.	If statements, if else statement, if- elif statement,	Students will learn - the basic concepts of python programming - Knows uses of various programming syntax - the decision-making statements - Concept of selection statement - different types of if statements
ACCOUNTANCY	Accounting: Principles, Concepts, Standards, IFRS Basis of Accounting: cash basis and	Recording of transactions: Accounting Equations	Recording of transactio ns: Accountin g Equations	Rules of debit and credit. , Journal Source Document Journal	Passing entries- Compund entries	The meaning of accounting assumptions and the situation in which an assumption is applied during the accounting process. The basics of recording accounting

	accrual basis Accounting Standards: Applicability of Accounting Standards (AS) and Indian Accounting Standards (IndAS) Goods and Services Tax (GST)					transactions and to appreciate that accrual basis is a better basis for depicting the correct financial position of an enterprise. The meaning, advantages and characteristics of GST. Meaning of accounting equation. Effect of transaction, change in assets/liabilities/capital (income or expenses) Steps in the process of journalising. Able to pass simple entriesUnderstand the concept of discount, bad debt, abnormal loss prepaid, outstanding, accrual and pass compound entries
BUSINESS STUDIES	Formation of company - Stages in the Formation of a Company	Stages in the formation of company and documents	Highlight the stages in the formation of a company. Writing Notes	Discuss the important documents used in the various stages in the formation of a company.	Writing Notes	Students will be able to learn the different stages in the formation of a company.Students will be able to learn the different types of documents that are required in the formation of a company.
ECONOMICS	Meaning of micro	Law of diminishing	Budget line	Demand: Market	Relationship between	Learners will be able to Distinguish between the

economics and macroeconomic s Positive and Normative economics. What is an economy? central problems of an economy. Concepts of Production Possibility Frontier and Opportunity Cost.	marginal utility, Conditions of consumer's equilibrium using marginal utility analysis. Cardinal utility analysis: One commodity case Two commodity case.	Monotoni c preferenc e, indifferen ce map. Condition of consumer 's equilibriu m with the help of indifferen ce curve analysis.	demand, determinan ts of demand, demand schedule, curve and slope. Movement along and shifts in the demand curve	income and demand: Distinction between normal good and inferior good. Price Elasticity and its degree.	concepts; Micro & Macro Economics; Positive and Normative Economics. Describe the subject matter of micro and macroeconomics. Analyse the central problems of any economy and discuss on the central problems like what to produce, how to produce and for whom to produce. Explain the concept of shift and swings in PPC. Draw an imaginary schedule and curve. Analyse the relationship of price and quantity demanded. Derive the market demand curve from the individual demand curve. Represent the shift and movement graphically. Distinguish between normal good and inferioor goods. State the price elasticiy of demand. Explain the various degrees of elasticity.
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ENTREPRENEURSHIP	Competencies of an Entrepreneur Ethical Entrepreneurshi p -Understand the concept of business ethics and reasons to follow ethics.	Applying the importance of Ethical Entrepreneu rship. Understandi ng the core values of Entrepreneu r Understand the concept of Attitude - Features - Sources - Essential attitudes of an Entrepreneu r.	Concept of Motivatio n-Process -Maslow' s Theory, McClellan d's Theory of Needs. Concept of Intrapren eurship	UNIT - III ENTREPREN EURIAL JOURNEY Understand the concept of Business Ideas, Analyze the different structured approaches of generating ideas. Concept of Feasibility Study Elements of business plan Understand the reasons for success and failure of business plan	Differentiat e between the types of Feasibility Studies/Pla n. Understand the features of Feasibility. Analyze opportuniti es in the market.	Competencies and characteristics Entrepreneurial Values, Attitudes. Ethics and Motivation Intrapreneur: Meaning and Importance Competencies: Need Achievement, Motivation, Ethics, opportunity seeking, Passion, Independence Idea generation. Feasibility Study and opportunity assessment
MARKETING	Writing Notes	Writing Notes SUBJECT SPECIFIC SKILLS: CHP 2 MARKETING	4. Concept of Environm ental Scanning 5. Importan	Writing Notes	Writing Notes EMPLOYABI LITY SKILLS - SELF MANAGEM ENT SKILLS	<ol> <li>Define the concept of marketing environment</li> <li>Identify and analyze micro and macro environment factors</li> <li>Explain the concept of environmental scanning and its</li> </ol>

		ENVIRONME NT 1. Meaning of Marketing Environment 2. Micro Environment Factors 3. Macro Environment Factors	ce of Environm ental Scanning		1. Strength and Weakness Analysis 2. Grooming 3. PerSonal hygiene 4. Team work 5. Networking 6. Self motivation 7. Goal setting 8. Time Manageme nt	importance 1. Techniques for analyzing strengths and weakness goal setting and teamwork
ENGINEERING GRAPHICS	Types of quadrilaterals	Types of polygons	Unit 2 - Circles & its circumfere nce - Circles and its definitions	Introduction to inscribing of figures - Inside a triangle	Inscribing of circles - Inside a hexagon Unit test starts	Introduces the new topic inscribing and understands how to inscribe circles in other figures
PSYCHOLOGY	Unit 2: Methods ofEnquiry inPsychology- Goals, Steps	Observation Method, Survey Method,	Experime ntal Method, Case Study,	"UT 1 Analysis of Data" Ethics,	Limitations	Learners will be able to;- *Understand various methods of Enquiry; their goals * Describe Psychological perspectives of analysis of data * Explain limitation of

						Enquiry and Principles
PHYSICAL EDUCATION	Unit-2 Olympism 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 Olympics	Olympics - Symbols, Motto, Flag, Oath, and Anthem	Olympic Movement Structure - IOC, NOC, IFS, Other members	Olympic Movement Structure - IOC, NOC, IFS, Other members	To make the students aware of Concepts and Olympics Values (Excellence, Friendship & Respect) To make students understand ancient and modern Olympic games. To make students learn about the working and functioning of IOC, NOC and IFS, and other members.
SOCIOLOGY	Unit 3: Social Institutions	Unit 3: Social Institutions	Unit 3: Social Institutio ns	Project details & Revision	Unit Test 1	Learners will be able to: -understand the role and functions of social institutions -analyze social institutions from the functionalist & conflict perspective -learn about the meaning of family, marriage & kinship and its types -understand the themes explored in the sub units (political, economic, educational institutions

-successfully answer OTQ's and STQ's on	-successfully answer OTQ's and STQ's on the topic
the topic	

		]	Indian ISWI (Mo	School K SHARING KI onthly Plan - Ju	Wadi Ka NOWLEDGE une 2024)	l <b>bir</b> class XI
Subjects	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
English	Hornbill: "We're not afraid to Die if We can be together (prose)	Reading Comprehe nsion- case-based passage				
Mathematics	Signs of trigonometr ic functions. Domain and range of trigonometr ic functions and their graphs. Trigonomet ric functions as periodic functions,	To be cognizant of Expressin g sin (x+y) and cos (x+y) in terms of sin x, sin y, cos x & cos y. To understan d	Summer Holidays	Summer Holidays	Summer Holidays	To recogonize Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Trigonometric functions as periodic functions, their amplitude, argument period & graph.

	their amplitude, argument period & graph.	Identities related to sin 2x, cos 2x, tan 2x, sin3x, cos3x and tan3x				
Physics	Dimensions of physical quantities, dimensional analysis and its applications.	Worksheet and exercise questions	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	To do multiple questions numericals
Chemistry	Unit III: Classificatio n of Elements and Periodicity in Properties Periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii, Ionization enthalpy	Electron gain enthalpy, electroneg ativity, valency.	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	<ul> <li>-understand how the atomic and ionic radius varies along a group and a period.</li> <li>-know how the ionization enthalpy varies along a group and a period.</li> <li>-explain how the electronegativity varies along a group and a period.</li> <li>-comprehend the concept of variable valency.</li> <li>-appreciate the higher reactivity of the elements placed at the</li> </ul>

						two extremes of the periodic table and the lowest in the centre.
Biology	Chapter 6: Anatomy of flowering plants	Chapter 6: Anatomy of flowering plants	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Study the parts of the flower in detail and the function of each.
Informatics Practices	Revision on unit test & Control Statements - introduction to for loop, while loop	Introducti on to loops - simple programs using for loop & while loop	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Students will understand - the importance and purpose of for loop and while loop
Computer Science	Revision on unit test, nested If statement, More programs using selection statements	Iteration/L ooping Statement s - The range(), for loop, while loop, loop else statement,	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Students will understand - Concept,syntax and usage of loops - range() and default values
ACCOUNTANCY	Passing entries- Compound entries (cont.)	Passing entries- Compoun d entries (cont.)	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Understand the concept of discount, bad debt, abnormal loss prepaid, outstanding, accrual and pass compound entries Understand the concept of discount, bad debt, abnormal

						loss prepaid, outstanding, accrual and pass compound entries
BUSINESS STUDIES	Public, private and multination al company	Merits and Limitation s of types	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Students will be able to Develop an understanding of Public sector and private sector enterprises.Identify and explain the features, merits and limitations of different forms of public sector enterprises.Understand the meaning and types of business services.
ECONOMICS	Relationshi p between income and demand: Normal good and inferior good. Price Elasticity and its degree.	Price elasticity of demand- Calculatio n: Factors affecting PED, Exception s of the Law of Demand	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Identify the type of the price elasticity shown in different cases. Represent the shift in the demand curve as income changes. Distinguish between normal good and inferior good. Explain the various types of elasticity of demand. Explain the exceptions of Law of demand Solve the price elasticity numerical;

ENTREPRENEURSHIP	Elements of Business Plan	Elements of Business Plan-	SUMMER VACATION	SUMMER VACATION	SUMMER VACATION	Business Plan: meaning, purpose and elements Execution of Business Plan Competencies: Scanning the environment; Information seeking; creativity; Innovativeness; divergent thinking; Perseverance
MARKETING	Writing Notes SUBJECT SPECIFIC SKILLS - SEGMENTAT ION, TARGETTIN G & POSITIONIN G SEGMENTAT ION 1. Meaning 2. Importance 3. Bases 4. Types TARGETTIN G 1. Meaning	3. Criteria POSITIONI NG 1. Meaning and Process	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	<ol> <li>Understand the concept of segmentation in marketing</li> <li>Recognize the significance of segmentation in marketing strategy</li> <li>Identify and comprehend the different bases of segmentation</li> <li>Classify</li> <li>segmentation types</li> <li>Define targeting in the context of marketing strategy</li> <li>Differentiate between the various targeting strategies</li> <li>Understand the criteria used for targetting</li> <li>Define positioning in marketing as the process of creating a distinct image and</li> </ol>

	2. Types					identity for a product
ENGINEERING GRAPHICS	Inscribing of circles - Inside a pentagon	Inscribing of circles: Inside an octagon	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Improves the drawing skills of students with different topics
PSYCHOLOGY	Discussion Of Project and Experiments	Conduct Experime nt and Completio n of Journal work	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Students will be able to understand application aspects of Psychology.
PHYSICAL EDUCATION	Unit-3 Yoga Meaning and importance of Yoga. Introduction to Astanga Yoga	Yogic Kriyas (Shat Karma) Pranayam a and its types. Active Lifestyle and stress managem ent through Yoga				To make the students aware of the meaning and importance of yoga • To make them learn about Astanga yoga. To teach students about yogic kriya, specially shat karmas. • To make the learn and practice types of Pran • To make them learn the importance of yoga in stress management.
SOCIOLOGY	Art integrated activity & Project Questionnai re	Art integrated activity & Project Questionn aire	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Students will learn the format for the Project and learn to use different methodologies to gather data

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English		Snapshots: The Address (prose)	GRAMMAR: Integrated exercises Hornbill: Discovering Tut: the Saga Continues	Reading Comprehensi on-Note Making	WRITING : Poster Writing	able to make Notes and Summarize using the right format, layout and language structure. -able to answer local, global and competency based questions based on the literature texts. -Use grammatical structures accurately and appropriately	
Mathematics	Mean deviati on about mean, Mean deviati on about media n. Mean deviati on	Mean deviation about median for continuo us frequenc y distributi on, Variance, Standard deviation	Introduc tion, Complex Numbers , Algebra of Complex Numbers , Power of i, The square root of a negative	The Modulus and the Conjugate of a Complex Number, Quadratic Equations	inequ alitie s, Algeb raic Soluti ons of Linea r Inequ alitie s in	To Recall the Statistics terms , Introduction, Measures of Dispersion, Mean deviation about mean, Mean deviation about median. Variance, Standard deviation of a discrete frequency distribution. To Introduce, Complex Numbers, Algebra of Complex Numbers, Power of i, The square root of a negative real number. The Modulus and the	

	about mean for contin uous freque ncy distrib ution.	of a discrete frequenc y distributi on.	real number		One Varia ble and their Grap hical Repre senta tion	Conjugate of a Complex Number
Physics	CHAPTE R; 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	Law of conservatio n of linear momentum and its applications Equilibrium of concurrent forces. Static and kinetic friction, laws of friction, rolling	vehicle on a level circular road, vehicle on banked road. Exercise and Worksheet <b>Chapter:</b> <b>Work,</b> <b>energy and</b> <b>power:</b> Work done by a constant force and a	work-energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces, non-conservat ive forces. Motion in a vertical circle,	Elastic and inelastic collisions in one and two dimensio ns. Workshe et and exercise questions	<ul> <li>Learners will be able to understand the Concept of force along all the three Newton's laws of motion.</li> <li>Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion</li> <li>Learners will be able to understand the Concept of force along all the three Newton's laws of motion.</li> <li>Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion</li> </ul>

	third law of motion.	friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion	variable force; kinetic energy,			
Chemistry		Unit IV: 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	Molecul ar orbital theory of homonu clear diatomic molecul es (qualitat ive idea only), Hydroge n bond.	<ul> <li>-recapitulate the importance of valence electrons in bond formation.</li> <li>-comprehend the key features of valence bond theory as applied to simple molecules.</li> <li>-understand the concept of hybridization involving s- , p-, and d- orbitals.</li> <li>-predict the paramagnetic / diamagnetic character of simple molecules on the basis of molecular orbital theory.</li> <li>-compare inter- and intra- molecular hydrogen bonding.</li> </ul>
Biology	Unit 1: Chapter 3-Plant kingdom	Unit 1: Chapter 3-Plant kingdom	Chapter 4 : Animal Kingdom	Chapter 4 : Animal Kingdom	UNIT2: Structura l Organiza tion in Animals	-To study the features of each phylum of plant and animal kingdom. -To study the morphology and anatomy of frogs.

Informatics Practices		Unit 2 - Introductio n to python For loop - Types of Iterative constructs -range() Use of range() function in a loop	While loop	Lists - list operations - creating, initializing, traversing and manipulating lists	Lists - list methods and built-in function s - len(),list (),appen d(),inser t(), count(),i ndex(),r emove() , pop(), reverse() , sort(), min(),m ax(),sum ()	<ul> <li>Students will understand <ul> <li>the importance and purpose of for loop and while loop and how to use it in the programming.</li> <li>The usage and syntax of lists, its operations and built in methods and how to use it in program</li> </ul> </li> </ul>
Computer Science		Jump statements- break and continue. Loop else Statement. Nested Loops. condition statements,	Introductio n to iterative statements- for loop	Strings: Traversing and compare – string operators – concatenati on and replication of strings	Strings: String Method s – String slices - Writing progra ms using strings	<ul> <li>Students will understand</li> <li>the syntax and implementation of different operations using operators of strings.What is string and why string?</li> <li>Different operations on string like slicing, concatenation etc.</li> </ul>
ACCOUNTANCY	Journals with GST	Ledger Meaning, Uses.	Ledger posting, balancing.	Journal <i>,</i> Ledger & Trial	Cash Book	Impact of GST and calculation of GST. Reversal

		Ledger posting, balancing.	Trial Balance	Balance, Subsidiary books Comprehens ive sums Cash Book		of GST and set off. Pass entries with GST. Meaning & format of ledger. Mechanics of posting. Difference between journal and ledger. Posting of transactions and ledger balancing. Solve problems on Journal and ledger Comprehensive sums on ledgers. Purpose of preparing trial balance. Way of preparing trial balance. Way of preparing trial balance. Solve sums of journal, ledger and preparation of trial balance from ledger balanceMeaning, Concept, Types of entry, Treatment of cheques. Concept of subsidiary books and classification of ledger. Concept of cash book.Types. Transactions recorded in CB. Transactions recorded in CB with reference to discounts and GST.
BUSINESS STUDIES	Business services – meaning and types	Entrepreneu rial Attitudes- Sources and types.Banki ng Concept, Types of Banking Services and Accounts	Insurance Concept, Principles and Types	Emerging Modes of Business	Meanin g of e-busin ess. • Discuss the scope of e-busin ess. • Appreci ate the benefits of	Students will be able to learn Entrepreneurial Attitudes- Sources and types.Banking Concept, Types of Banking Services and Accounts.Insurance Concept, Principles and Types.Concept, Scope, Benefits and differences. Meaning of e-business. • Discuss the scope of e-business. • Appreciate the benefits of e-business • Distinguish e-business from traditional business.

					e-busin ess • Distingu ish e-busin ess from traditio nal business	
ECONOMICS	Introducti on, Textual, Tabular Presentat ion. Bar diagrams and Pie diagrams.	Frequency diagrams, Histogram Ogives, frequency polygon, frequency curve, Time Line Graph	Measure of Central Tendency Mean	Median	Mode	Represent the data through various diagrams. Construct the appropriate data in the form of graph. Construct bar diagram and histogram. Differentiation between bar and histogram. Understand the need for summarising a set of data by one single number. b. Draw meaningful conclusions from a set of data. c. Develops and understands which type of average would be the most useful in a particular situation. d. Calculate the mean, median and mode. using different methods for Individual, discrete, and class interval series.
ENTREPRENEURSHIP	Unit 4: ENTREPR ENEURSH IP AS INNOVATI ON AND PROBLEM	Appreciate the role of global and Indian entrepreneu rs. Understand	Differentiat e between Entreprene	Understand the concept of Market research . Evaluate the market research		Understand the role of entrepreneurs as problem solvers Innovations and Entrepreneurial Ventures – Global and Indian Understand the use of

Entre eurs prot solve Und nd w of id gene n.	epren technology as and lem digitization ers. for new ersta businesses. ays The concept ea of social ratio entrepreneu rship	SocialUnitEntreprenetheurshipinvTheMacharacteristsurics of socialentrepreneTheurship.impberUNIT V -UNIT V -MaUNDERSTAsurNDING THEMARKETUnderstandthe conceptof marketand itsevolutionover thetime.	e steps volved in arket rvey e portance/ nefits of arket rvey	for new businesses. The concept of social entrepreneurship Competencies: Risk taking; Determination; Initiative; problem solving ability; Adaptability to changing technologies Scan the market environment Learn how to conduct market research Understand the elements of marketing mix
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			Analyze the Market Environme nt at Micro and Macro Level		
MARKETING	Writing Notes	Writing Notes	SUBJECT SPECIFIC SKILLS - FUNDAME NTALS OF MARKETIN G 1. Definition of Marketing Mix 2. Characteris tics of Marketing Mix 3. Developing a Marketing Mix 4. Importance of Marketing Mix	P's of Service Marketing Mix Writing Notes	<ol> <li>Understand the concept and components of the marketing mix.</li> <li>Identify and describe the key attributes of a marketing mix.</li> <li>Learn the process of creating an effective marketing mix.</li> <li>Recognize the significance of the marketing mix in strategic marketing planning.</li> <li>Differentiate between various types or models of marketing mix.</li> <li>Understand the customer-centric approach in marketing strategy.</li> </ol>

			5. Types of Marketing Mix 6. 4C'S of Marketing Mix			
ENGINEERING GRAPHICS		Unit 3:Orthograph ic projections of regular solids - Introduction & explanation of four quadrants	Projection of points and lines	Different views of object in orthographic projection	Projectio n of points and lines in the first and third angle method of projectio n.	Understands the concept of orthographic projections and different views of an object as per the quadrants
PSYCHOLOGY	Chp 4:- Human Developm ent Meaning of Developm ent Life-Span Perspectiv e on Developm ent Growth, Developm ent,	Human Development Factors Influencing Development Context of Development	Development al Stages Prenatal Stage Infancy Childhood	Gender and Sex Roles Challenges of Adolescence	Overvie w of Adulthoo d and Old age	

PHYSICAL EDUCATION		Unit-4 CWSN Introduction to Physical Education and Sports for Children with Special Needs Concept of Disability and Disorder	Types of Disability, its causes & nature (Intellectual disability, Physical disability).	Disability Etiquette Aim and objectives of Adaptive Physical Education.	Role of various professi onals for children with special needs (Counsel or, Occupat ional Therapis t, Physioth erapist, Physical Educatio n Teacher, Speech Therapis t, and Special Educato r)	To make the students aware concept of Disability and Disorder. To make students aware of different types of disabilities. To make students learn about Disability Etiquette To make the students Understand the aims and objectives Adaptive Physical education To make students aware of role of various professionals for children with special needs.
SOCIOLOGY	Book 2 Unit Western Sociologis ts Karl Marx	Book 2 Unit Western Sociologists Emile Durkheim Max Weber	Unit 4: Culture and Socializatio n	Unit 4: Culture and Socialization	Unit 4: Culture and Socializa tion	Students will be able to: -understand the contributions of Karl Marx to Sociology -analyze types of societies (stages), class struggle -learn about the meaning and types of alienation

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				-understand the contributions of Durkheim to Sociology -analyze the meaning of social fact -learn about Durkheim's idea of Division of Labour in Society				
				Society -understand the contributions of Weber to Sociology -analyze the meaning of Interpretive Sociology -learn about Weber's idea of Ideal Types, Bureaucracy -understand the meaning of Culture -analyze the 3 aspects of Culture: Material, Normative & cognitive -learn about concepts related to culture e.g Cultural Relativism, ethnocentrism etc -understand how culture influences and operates in				
				everyday life				
		Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - September 2024) class XI						
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Subjects	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes		
English	Hornbill: The Laburnum Top (Poem)	GRAMMAR: Transformati on of sentences Reading Comprehensi on-Note Making				-to perceive the overall meaning and organisation of the text - To specificall y develop the ability to be original and creative in interpretin g opinion, develop the ability to be logically persuasive in defending one's opinion and making notes based on a text. - write answers according to the		

						requireme nt of various subjects.
Mathematics	Fundamental Principle of Counting. Permutations when all the objects are not distinct	problems on permutat ion. Combina tions, Practice problems on Combina tions.	Revision for AS1	ASSESSME NT 1	ASSESSMEN T 1	To Introduce the Fundamental Principle of Counting. Permutations when all the objects are not distinct To Practise problems on permutation. Combinations, Practice problems on Combinations.
Physics	Chapter-7: System of Particles and Rotational Motion Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of	Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and	ASSESSMENT 1	ASSESSMENT 1	ASSESSMENT 1	• Learners will be able to understand the Concept of Rotational Dynamics and

	mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications.	rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Worksheet and exercise questions. Revision for Assessment				equations of motion for rotating bodies. • Learners will be able to understand the Analogy between Kinematics and Rotational Dynamics
Chemistry	Unit VII: 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.	ASSESSMENT 1	ASSESSMENT 1	ASSESSMENT 1	<ul> <li>-appreciate the importance of redox reactions.</li> <li>-analyze the meaning of the term redox as reactions in which oxidation and reduction reactions occur simultaneously.</li> <li>-comprehend the meaning of oxidation number.</li> <li>-examine various types of redox</li> </ul>

						reactions -enumerate the detailed steps for balancing redox reactions by Half reaction method. -comprehend redox reactions as a basis for titrations.
Biology	Chapter 2: Structural Organization in Animals	Chapter 2 : Structural Organizatio n in Animals	Ch 11 : Photosynth esis in higher plants	Ch 11 : Photosynthesi s in higher plants	Ch 11 : Photosynthesis in higher plants	<ul> <li>To make the learners understand the process of photosynthesis in depth.</li> <li>To recall that Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis.</li> </ul>
Informatics Practices	Programs using lists and loops(for loop and while loop).	Revision for Assessment 1	Assessment 1	Assessment1	Assessment1	Students will get an idea about basics of python, program using for loop and while loop and output questions and how the question paper pattern will be.

Computer Science	Lists - list operations, methods, Nested lists and programs related to it	Revision for Assessment 1	Assessment 1	Assessment1	Assessment1	Students will understand - the syntax and implement ation of different operations using operators of Lists.What is list and why list? - Different operations on lists like slicing, methods use of these in program - Get an idea about question paper pattern
ACCOUNTANCY	Petty Cash Book	Purchase and Sales Book	ASSESSME NT 1	ASSESSMENT 1	ASSESSMENT 1	Purpose of petty cash book. Types of transactions recorded in PCB. System of petty cash book and maintenance of cash float. Ttypes of subsidiary books and types

						of transactions to be recorded in purchase and sales book.
BUSINESS STUDIES	Social Responsibility - Concept, Arguments for and against - Social Responsibilites.So cial Responsibilities towards different Interest group.	Revision	ASSESSME NT 1	ASSESSMENT 1	ASSESSMENT 1	Students will be able to learn the Concept, Arguments for and against - Social Responsibilities.S ocial Responsibilities towards different Interest group.
ECONOMICS	Central Tendency - Numericals	Revision	ASSESSME NT 1	ASSESSMENT 1	ASSESSMENT 1	
ENTREPRENEURSHIP	Understand the concept of Marketing Mix	REVISION	ASSESSME NT 1	ASSESSMENT 1	ASSESSMENT 1	Understand the elements of marketing mix Competencies: Task oriented, Opportunity seeking, resourcefulness, organizational skills, Analytical and logical reasoning
MARKETING	Writing Notes	REVISIONS	ASSESSME NT 1	ASSESSMENT 1	ASSESSMENT 1	
ENGINEERING GRAPHICS	Introduction to orthographic projection of Regular solids.	Solids with axis perpendicula r to HP Revision for	ASSESSME NT 1	ASSESSMENT 1	ASSESSMENT 1	Recognises the two different planes and draw the views of objects

		Assessment				
PSYCHOLOGY	Conditioning- Classical and Instrumental Determinants Learning Types Association, Skill Verbal Learning - Paired associate, Serial	Learning Principles Reinforce ment, Aversive Therapy	ASSESSME NT 1 STARTS ON 17TH SEPTEMBE R	ASSESSMENT 1	ASSESSMENT 1	Learners will be able to;- Elaborate on Nature and process of learning *Describe Conditioning and types with determinants
PHYSICAL EDUCATION	Unit-5 Physical Fitness, Wellness, and Lifestyle. Meaning & importance of Wellness, Health, and Physical Fitness. Components/Dim ensions of Wellness, Health, and Physical Fitness, Traditional Sports & Regional Games for promoting wellness	Leadership through Physical Activity and Sports Introduction to First Aid – PRICE Test, Measureme nt & Evaluation Define Test, Measureme nts and Evaluation. Importance of Test, Measureme	Asst 1	Asst 1	Asst 1	To make the students understand the Meaning & importance of Wellness, Health, and Physical Fitness To make students aware of the Components/ Dimensions of Wellness, Health, and Physical Fitness To make students learn Traditional Sports & Regional Games to promote wellness. To Introduce the

		nts and Evaluation in Sports.				students with the terms like test, measurement and evaluation along with its importance To Introducing them the methods of calculating BMI, Waist- hip ratio and Skin fold measurement.
SOCIOLOGY	Unit 4: Culture and Socialization	Revision	Asst 1	Asst 1	Asst 1	Students will be able to: -understand the meaning of Socialization -analyze the different agencies of socialization -learn about concepts related to socialization e.g re-socialization etc -understand how socialization impacts our lives

	Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - October 2024) class XI								
Subjects	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes			
English	Hornbill: The Voice of the Rain (Poem)	WRITING: Debate Writing	Hornbill: The Adventure( Prose)	GRAMMAR: Clauses	Snapshots: Mother's Day (Play)	-to appreciate and analyse special features of languages that differentiate literary texts from non-literary ones, explore and evaluate features of character, plot, setting, etc. -to express opinions, facts, arguments in the form of speech or debates, using a variety of accurate sentence structures -write answers according to the requirements of various subjects.			
Mathematics	Binomial theorem for any positive integer n, Observati ons and some special	General & Middle terms, Practice problems based on Binomial theorem	Concept Sequenc es and series To recogoni ze the concepts related	Relationshi p Between A.M. and G.M. Practice problems based on GP More practice	Practice problems based on GP More practice question on AP & GP	To Introduce the Binomial theorem for any positive integer n, To understand the General & Middle terms, Problems based on Binomial			

	cases of Binomial expansion		to Arithmet ic progressi on. & G.P.	question on AP & GP		theorem To recall the concept Sequences and series To recogonize the concepts related to Arithmetic progression. Problems based G.P.
Physics	Chapter- Gravitation- Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth.	Gravitational potential energy and gravitational potential Escape speed, orbital velocity of a satellite. Exercise and worksheet Chapter–9: Mechanical properties of solids	Hooke's law,Young's modulus, bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy. Exercise and worksheet	.Chapter–10: 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	<ul> <li>Pupil would be able</li> <li>To understand the Kepler's law of planetary motion and universal law of gravitation</li> <li>To apply the acquired knowledge to solve numericals</li> <li>To analyse and compare different modulus of elasticity</li> <li>To know elasticity and stress- strain relationship,poisson 's ratio,elastic energy.</li> <li>To understand Pascal's law and its applications</li> </ul>

		Elasticity, Stress-strain relationship,				
Chemistry	Unit VIII: Organic Chemistry -Some Basic Principles and Techniques General introduction, classification and IUPAC nomenclature of organic compounds	Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations , carbanions	Electrophile s and nucleophile s, types of organic reactions.	Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation	Methods of purification, qualitative and quantitative analysis	<ul> <li>-recall the reason for tetravalence of carbon.</li> <li>-classify organic compounds on the basis of functional groups.</li> <li>-know the IUPAC system of nomenclature.</li> <li>-identify the types of structural isomerism, viz. Chain, Position, Functional, and metamerism.</li> <li>-discuss the structure and stability of carbocations, carbanions and free radicals.</li> <li>-differentiate between permanent and temporary electron displacements.</li> </ul>
Biology	Chapter 12: Respiration in plants	Chapter 12: Respiration in plants	Chapter 12: Respiration in plants	Chapter 13: Plant Growth and Development	Chapter 13 : Plant Growth and Developmen t	<ul> <li>-To make the learners understand the process of Glycolysis, Fermentation.</li> <li>-To find the differences between aerobic and</li> </ul>

						anaerobic respiration. Study in depth about the TCA cycle, ETS and oxidative phosphorylation.
Informatics Practices	Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements,	Dictionary - dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear()	Unit 3: Database concepts and the Structured Query Language Database Concepts: Introductio n to database concepts and its need, Database Manageme nt 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 Data Definition: CREATE DATABASE , CREATE TABLE, DROP, ALTER	<ul> <li>Students will understand <ul> <li>different</li> <li>operations on a</li> <li>dictionary</li> </ul> </li> <li>How to write the programs using a Dictionary and its built in methods and functions</li> <li>Students will be able to create a table based on sql query and DDL commands</li> </ul>
Computer Science	Tuple-operati ons, built in functions,	Tuple assignment, nested tuple	Programs using tuple, Difference between lists and tuples	Dictionary- Introduction, Accessing dictionary using keys, mutability of a dictionaryDicti onary - traversing a dictionary,	Dictionary - built in functions and programs	<ul> <li>Students will understand</li> <li>Tuples and its various operations</li> <li>Dictionary and its operations and various built in methods</li> </ul>

ACCOUNTANCY	Purchase and Sales Book Return Books	Bank Reconciliati on Statement	Bank Reconciliati on Statement Depreciatio n Depreciatio n: Meaning, Features, Need, Causes, factors,Oth er similar terms: Depletion and Amortisatio n, Methods of Depreciatio n	Method of recording depreciation	Creating provision for depreciatio n/accumula ted depreciatio n account Treatment of disposal of asset Treatment of disposal of asset	Prepare Purchase and Sales Book and ledger posting with GST. Able to Prepare Return books and ledger posting there on. Meaning of BRS. Need and importance. Reasons of difference between CB and PB Preparation of BRS Understand the necessity of providing depreciation and develop the skill of using different methods for computing depreciation Develop the skill of using different methods for computing depreciation. Able to calculate and prepare Asset and Depreciation A/c Understand the accounting treatment of providing depreciation directly to the concerned asset account or by creating provision for depreciation account.
BUSINESS STUDIES	Sources of Business Finance	Sources of Business Finance.Me aning, types, Importance,	The various sources of funds into owners' funds.The meaning of owners'	The concept of debentures, bonds, loans from financial institutions and	Trade credit , GDR,ADR,ID R CONCEPT ,Borrowed fund,Writin g Notes	Students will be able to learn the concept of Sources of Business Finance.lts meaning,types,importa nce.Various types of owners funds and borrowed

		Owners fund	funds State the meaning of borrowed funds.	commercial banks,		funds.Concepts like debentures,loans from financial institutions and commercial banks also will be learnt.Learners will also learn about Trade Credit GDR,ADR,IDR,Concept borrowed.
ECONOMICS	Producer Behaviour Meaning, Short run and long run	TP, AP and MP, Returns to a factor.	Cost: TC, TFC, TVC, AC, AFC, AVC & MC -Meaning and their relationshi p	Revenue: TR and MR- Meaning and relationship	Meaning, determinan ts, slope, movements and shifts of supply curve; Price elasticity of supply: Meaning, Measureme nts of PES	Distinguishes between short run and long run Analyse how important is the concept of cost in the production process. Explain the revenue concept. Derive an imaginary schedule. Show the revenue curve and analyse the profit concepts. State the meaning of supply Learns about movements. State the importance of PES. Calculate PES.
ENTREPRENEURSHIP	ASSESSMENT 1. UNIT - VI BUSINESS FINANCE AND ARITHMETIC	Understand the concept of Cost, Expenditure and Expense	Concept of the types of Cost - Startup Cost Calculation of Fixed Cost and	Startup Cost Calculation of Fixed Cost and Variable cost	Understandi ng the concept of BEP Calculation of BEP for a single product and	Unit Cost, Unit of Sale, Unit Price of a product or service Understand the components of cost - Start-up and operational costs Calculate break even of single product and

	S. Understand the concept of Unit sale, Unit cost, Unit Price, Gross Profit		cost		understandi ng its impact on business operation.	service. Competencies: Arithmetic skills, critical analysis, decision making, self-confidence, problem solving
MARKETING	AS - 1	EMPLOYABI LITY SKILLS - ENTREPREN EURSHIP SKILLS 1. Introduction to Entrepreneu rship 2. Types of Business Activities 3. Values & Attitudes of an Entrepreneu r 4. Problem Solving 5. Business Idea 6. Customer Needs	Writing Notes	SUBJECT SPECIFIC SKILLS - CONSUMER BEHAVIOUR 1. Meaning 2. Constituents of Consumer Behaviour 3. Importance 4. Factors affecting consumer behaviour 5. Buying Roles 6. Consumer Decision Process	Writing Notes	<ol> <li>Define the concept of entrepreneurship</li> <li>Understand the values and attitudes required to be an entrepreneur</li> <li>Discuss the problem solving techniques</li> <li>Understand the customer needs</li> <li>Understand the competitors situation in order to estimate the supply</li> <li>Drawing a business plan</li> <li>Define the concept of consumer behavior in marketing.</li> <li>Identify the components shaping consumer decision-making processes.</li> <li>Recognize the significance of understanding consumer behavior in</li> </ol>

		<ul> <li>7. Knowing competitior</li> <li>s</li> <li>8. Business</li> <li>Plan</li> </ul>				marketing. 4. Analyze the influences impacting consumer purchasing decisions. 5. Understand the buying roles of a consumer 6. Explain the consumer decision process
ENGINEERING GRAPHICS	Solids with axis at right angles to VP	Solids with axis parallel to both HP and VP	Unit 5: Sectional Projection of Regular Solids - Sectional Projection of vertical solids	Sectional projections of solids with axis at right angles to V.P.	Sections of solids with axis parallel to both HP and VP	Understands about the new chapter and identifies the different sectional views of an object
PSYCHOLOGY	Chp 5. Sensory, Attentional and Perceptual Process Theories of Selective Attention ADHD Perceptual process	Attentiona l Process - Theories- Filter, Filter Attenuatio n	Socio Cultural influences on Perceptio n	Monocular & Binocular Cues, Perceptual Constancies Illusions	Chp 6- Learning Introducti on Definition, Nature	Learners will be able to:- *Describe Sensory, Attentional and Perceptual Processes * Elaborate Monocular & Binocular Cues, *Give examples of Perceptual Constancies
PHYSICAL EDUCATION	Unit-6 Test, Measuremen	Somato Types	Unit-7 Fundament	Functions of Skeletal	Properties and	To Introduce the students

	t & Evaluation Define Test, Measuremen ts and Evaluation. Importance of Test, Measuremen ts and Evaluation in Sports. Calculation of BMI, Waist – Hip Ratio, Skin fold measuremen t (3-site)	(Endomorph y, Mesomorph y & Ectomorphy ) Measureme nts of health-relat ed fitness	als of Anatomy, Physiology in Sports Definition and importance of Anatomy and Physiology in Exercise and Sports.	System, Classification of Bones, and Types of Joints.	Functions of Muscles. Structure and Functions of Circulatory System and Heart. Structure and Functions of Respiratory System.	with the terms like test, measurement and evaluation along with its importance To Introducing them the methods of calculating BMI, Waist- hip ratio and Skin fold measurement. To make the students aware of the different somatotypes. To make the students learn the method to measure health-related fitness. The students will learn the meaning and definition & identify the importance of anatomy, physiology, and kinesiology.Students will understand the main functions and Classification of Bone and the Types of Joints.The students will learn the Structure and Functions of Respiratory System.
SOCIOLOGY	Unit 2: Social change and Social Order in Rural and Urban	Unit 2: Social change and Social Order in Rural and Urban	Unit 2: Social change and Social Order in Rural and	Unit 2: Social change and Social Order in Rural and Urban Society (Part 2)	Unit 2: Social change and Social Order in Rural and Urban	Students will be able to: -understand the meaning of Social Change -analyze the types of

Society (Part So 1)	Society Part 1)	Urban Society (Part 1)		Society (Part 2)	social changes (economic, environmental etc with examples) -understand how cultural change operates as a form of social change -understand the meaning of Social Order in rural areas -analyze the types of social order in rural areas with examples -understand concepts in rural areas
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	Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - November 2024) class XI						
Subjects	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes	
English	Hornbill: Silk Road	Reading Comprehensio n- case-based passage	Hornbill: Childhood (Poem)	GRAMMAR: Transformati on of sentences	Reading Comprehensi on- unseen passage	-to extrapolating about the story read or life of characters after the story ends defending characters' actions in the story - to interpret texts in different ways. -write answers according to the requirements of	

						various subjects.
Mathematics	Slope of a Line Angle between two lines, To understan d various Forms of the Equation of a Line.	General equation of a line Distance of a point from a line More practice questions on straight line.	Section s of a Cone, Circle To solve Proble ms on circle	Parabola Problem s on Parabola Ellipse Problem s on Ellipse.	Hyperbola Problems on Hyperbola	<ul> <li>To Introduce, Slope of a Line. Angle between two lines,</li> <li>To understand various Forms of the Equation of a Line.</li> <li>To understand General equation of a line</li> <li>Distance of a point from a line</li> <li>To understand Sections of a Cone, Circle. Problems on Parabola Ellipse Problems on Ellipse. Hyperbola Problems on Hyperbola</li> </ul>
Physics	Bernoulli's theorem and its simple applications. Surface energy and surface tension, angle	Application of surface tension ideas to drops, bubbles and capillary rise	Thermal expansion of solids, liquids and gases, anomalous	Heat transfer-cond uction, convection and radiation, thermal	ASSESSMEN T 2	<ul> <li>Pupil would be able to</li> <li>To analyse the concepts viscosity, Surface energy, surface tension</li> </ul>

	of contact, excess of pressure across a curved surface,	Chapter 11; THERMAL PROPERTIES OF MATTER Heat, temperature, thermal expansion.	expansion of water specific heat capacity; Cp, Cv - calorimetry ; change of state - latent heat capacity.	conductivity. Qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law,		<ul> <li>To understand heat, temperature, Thermal expansion</li> <li>To understand thermal expansions of solid liquid and gases</li> <li>To know the concept- specific heat capacity</li> <li>To identify and analyse different heat transfer modes</li> <li>To understand Blackbody radiation, Wein's displacement Law, Stefan's law</li> </ul>
Chemistry	Unit IX: Hydrocarbon s Alkanes - Nomenclatur e, isomerism, conformation (ethane only), physical properties, chemical reactions	Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions.	Alkynes - Nomenclat ure, structure of triple bond (ethyne), physical properties, methods of preparatio n, chemical reactions.	Aromatic Hydrocarbo ns: Introductio n, IUPAC nomenclatu re, benzene: resonance, aromaticity, chemical properties: mechanism of electrophili c substitution, Carcinogeni city and toxicity.	ASSESSME NT 2	<ul> <li>-identify sources and methods of preparation of alkanes, viz.</li> <li>Reduction (of alkenes, alkynes, alkyl halides, alcohols and carboxylic acids), Wurtz reaction and Kolbe's electrolysis.</li> <li>-discuss reactivity of alkanes and their characteristic substitution reaction with halogens.</li> <li>-understand Markovnikov's addition and peroxide effect.</li> <li>-discuss reactivity of</li> </ul>

						alkynes and their characteristic addition reactions
						-identify aromatic character using Huckel's rule for cyclic molecules.
Biology	Chapter 14 : Breathing and Exchange of Gases	Chapter 14 : Breathing and Exchange of Gases	Chapter 15: Body Fluids and Circulation	Chapter 15: Body Fluids and Circulation	Ch 16 : Excretory Products and their Elimination	-To understand the disorders associated with the excretory system of humans. (Nephritis, dialysis and the process of introducing artificial kidney).
Informatics Practices	Data Query: SELECT, FROM, WHERE with relational operators, logical operators, IS NULL, IS NOT NULL	Data Query:LIKE IN & BETWEEN	Data Manipulati on: INSERT, DELETE, UPDATE	Revision for Assessment 2	Revision for Assessment2	<ul> <li>Students will be able</li> <li>to filter records using relational operators, between and like keywords.</li> <li>To understand the concept of IS NULL &amp; IS NOT NULL</li> <li>To learn DML commands and execute it in tables</li> </ul>
Computer Science	Programs using dictionary, Difference between list, tuple and dictionary	Python modules - Introduction to Python modules: Importing math (sqrt,	Python modules - random module (random(), randint(), randrange(	Revision for Assessment 2	Revision for Assessment2	Students will understand - the different modules and math functions and use them in coding.

		cell, floor, pow, fabs, sin, cos, tan.	)), statistics module (mean(), median(), mode()).			<ul> <li>the different functions like random (),randit(</li> <li>) and randrange() and math functions and use them in coding.</li> </ul>
ACCOUNTANCY	Meaning, Difference and types	Rectification of Errors Errors: classification Detection and rectification of errors Rectification entries	Suspense Account	Financial statements of Sole Proprietor Meaning, objectives and importance; Revenue and Capital Receipts; Revenue and Capital Expenditure Trading and Profit and Loss Account: Gross Profit, Operating profit and Net profit. Preparation. Balance Sheet:	Preparation of Trading, Profit/loss A/c and Balance Sheet	Appreciate the need for creating reserves and also making provisions for events which may belong to the current year but may happen in next year. Appreciate the difference between reserve and reserve fund. Understand the meaning of different types of errors and their effect on trial balance. Appreciate that errors may be committed during the process of accounting. Types of errors not affecting TB and affecting TB and affecting trial balance. Develop the skill of identification and location of errors and their rectification. Understand the concept of Suspense A/c. Pass entries to rectify errors and preparation of

						suspense A/c The meaning of financial statements and the purpose of preparing financial statements. The meaning of gross profit, operating profit and net profit and develop the skill of preparing trading and profit and loss accounts. Understand the need for preparing a balance sheet. understand the technique of grouping and marshalling of assets and liabilities. Develop the skill of preparing trading and profit and loss account and Balance Sheet
BUSINESS STUDIES	Small Business and Entrepreneur ial development	Understand the concept and need of Entrepreneurs hip Development (ED),Entrepren eurship Development (ED), Intellectual Property Rights • Understand the process of	The role of small scale business in India with special reference to rural areas	various schemes of NSIC and DIC with special reference to rural, backward area.	Writing Notes	Learners will be abe to learn the concept and need of Entrepreneurship Development (ED),Entrepreneurship Development (ED), Intellectual Property Rights • Understand the process of Entrepreneurship Development.The role of small scale business in India with special reference to rural

		Entrepreneurs hip Development				areas.They also learn the arious schemes of NSIC and DIC with special reference to rural, backward area.
ECONOMICS	Increase and decrease in supply, contraction and expansion of supply.	Correlation Techniques For Measuring Correlation; Scatter Diagram	Karl Pearson's Coefficien t of Correlatio n Spearman 's Rank Coefficien t Technique	Forms of Market - Perfect Competitio n - Features and implication s	Market Equilibrium under Perfect Competition and shifts	Learners will be able to Graphically distinguishes between contraction and expansion. Analyse and interpret data related to various issues/events related to Indian economyAnalyse the usage of Spearman's rank correlation to measure the relationship between variables. B. Assess the situations when Spearman's Rank Coefficient. Explain the working of market mechanisms in the economy. Describe the perfect competitive market and its features. Explain what price is taking. Evaluate the equilibrium of a perfectly competitive market using a demand-supply curve. Numerically explains

						equilibrium for a perfectly competitive market with a fixed number of firms. Illustrates the impact of a shift in demand and supply curve.
ENTREPRENEURSHIP	Calculation of BEP for a single product BEP as a tool for decision making.	UNIT - VII RESOURCE MOBILIZATION Understand the concept of resource mobilization Understand the type of resources - Physical Resources - Manning Table - Efficient utilization of HR - Selection of Personnel Finance	Material Resources Intangible Resources	Selection and utilization of human resources and professiona Is like Accountant s, Lawyers, Auditors, Board Members, etc.	REVISION	Identify the different types of resource tools – Physical and material, Human, Financial, Intangibles Requirement of various resources and marshalling of resources to increase the efficiency of the enterprise. Competencies: Resourcefulness; Collaboration; Managing Risk; Organizational Skills; Informed Decision Making

			and Shapes 7. header, footer and page number			
ENGINEERING GRAPHICS	Sections of solids under all the three conditions ( vertical,horizo ntal and oblique sections)	Unit 6:Orthographic projection of simple machine blocks - Introduction & explanation of placing different views as per first angle method	Views of Machine block 1 to 5	Views of Machine block 6 to 10	Views of Machine block 11 to 15 & Revision for Assessment II Assessment II starts on 26th Nov	Identifies the front side and top views of a machine block and illustrate the same in the drawing sheet
PSYCHOLOGY	Chp 7:-Human Memory Introductio n Nature of memory Information Processing Approach: The Stage Model Memory Systems:	Levels of Processing Types of Long term Memory Long term Memory Classification Memory as a Constructive Process	Chp 8- Thinking Introducti on, Mental processes- Reasoning - Inductive, Deductive	Creativity- Process, Barriers	Revision for Chp 7-8	Students will be able to: Understand the nature of memory Distinguish between different types of memory Explain how the contents of long-term are represented and organised Appreciate the constructive and

	Sensory, Short Term and Long Term Memory Chunking					reconstructive processes in memory Understand the nature and causes of forgetting Learn the strategies for improving memory
PHYSICAL EDUCATION	Unit-8 Fundamental s Of Kinesiology And Biomechanic s in Sports Definition and Importance of Kinesiology and Biomechanic s in Sports.	Principles of Biomechanics Kinetics and Kinematics in Sports	Types of Body Movemen ts - Flexion, Extension, Abduction, Adduction, Rotation, Circumduc tion, Supination & Pronation	Axis and Planes – Concept and its application in body movements	Revision for Assessment II	The students will learn the meaning and definition & identify the importance of Kinesiology and Biomechanics in sports. To make the students learn the principles of biomechanics. To make the students understand the concept of Kinetics and Kinematics in Sports To make the students understand the concept of Axis and Planes and its application in body movements.
SOCIOLOGY	Unit 6: Social Order in urban society (Part 3)	Project draft finalisation	Unit 7: Indian Sociologis ts	Revision for Asst 2	Revision for Asst 2	Students will be able to: -understand the meaning of Social Order in urban areas -analyze the types of social order in urban

			areas with examples -understand concepts like ghettoization in urban areas -successfully answer OTQ's and STQ's on the topic -learn about the two accidental anthropologists- L.K Ananthakrishna & Sarat Chandra Roy
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		Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - December 2024) class XI								
Subjects	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes				
English	Snapshots: The Tale of Melon City (poem)	GRAMMAR: Integrated Grammar exercises								
Mathematics	Coordinate Axes and Coordinate Planes in Three	Revision for ASSESSME NT 2	ASSESS MENT 2	ASSESSME NT 2	WINTER BREAK	To Introduce Coordinate Axes and Coordinate Planes in				

	Dimensional Space. Distance between two points. Problems based on distance formula Section formula					Three Dimension al Space. Coordinate s of a Point in Space.Dist ance between two points.
Physics	ASSESSMENT 2	CHAPTER 12;THERMODY NAMICS Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy.	First law of thermodyna mics,Second law of thermodyna mics, gaseous state of matter, change of conditions of gaseous state, isothermal, adiabatic, reversible, irreversible and cyclic process	WINTER BREAK	WINTER BREAK	<ul> <li>Pupil would be able to</li> <li>To know the concepts temperature, thermal equilibrium, internal energy</li> <li>To understand and analyse the laws of thermodyna mics</li> </ul>
Chemistry	ASSESSMENT 2	Unit V: Chemical Thermodynamic s	Hess's law of constant heat summation, enthalpy	WINTER BREAK	WINTER BREAK	-differentiate between the terms system and surrounding.

Conce Syster types systen surrou work, energy extens intens proper function law of thermodes	epts of n andchange of reactions.ofIntroductio n of entropy andings, as a stateheat,function, function, V,v,Gibb's energy ive change for change for s and nonspontan odynamicenusprocesses		-distinguish between open system, closed system and isolated system. -state and deduce the mathematical expression for the first
s - inte energy enthal specif measu U and	Imageprocesses, criteria for equilibrium.y and py and ic heat,criteria for equilibrium.ic heat, urement of H.Third law of thermodyna mics.		Iaw of thermodynam ics. -explain heat Capacity, molar heat capacity and specific heat capacity. -describe and apply the standard enthalpy of formation values to calculate the enthalpy
			change for the reaction. -interpret randomness or disorder with the help of examples.

						-examine the statements of second and third laws of thermodynam ics.
Biology	ASSESSMENT II	ASSESSMENT II	ASSESSMEN T II	WINTER BREAK	WINTER BREAK	
Informatics Practices	Assessment 2	Assessment 2	Assessment 2	Winter Break	Winter Break	
Computer Science	Assessment 2	Assessment 2	Assessment 2	Winter Break	Winter Break	
ACCOUNTANCY	REVISION	Assessment 2	Assessment 2	Winter Break	Winter Break	
BUSINESS STUDIES	REVISION	Assessment 2	Assessment 2	Winter Break	Winter Break	
ECONOMICS	Revision	Assessment 2	Assessment 2	Winter Break	Winter Break	
ENTREPRENEURSHIP	REVISION/ASSES SMENT 2	ASSESSMENT 2	ASSESSME NT 2	Winter Break	Winter Break	
ENGINEERING GRAPHICS	ASSESSMENT II	Unit 6:Isometric Projection - introduction & Construction of isometric scale	WINTER BREAK	WINTER BREAK	WINTER BREAK	Understands how to construct iso scale for the iso projection
PSYCHOLOGY	ASSESSMENT 2	ASSESSMENT 2	WINTER BREAK	WINTER BREAK	WINTER BREAK	
PHYSICAL EDUCATION		Unit-9-Psycholo gy in Physical Education & Sports Definition & Importance of	Adolescent Problems & their Manageme nt; Team	Winter Break	Winter Break	The students will identify the definition and importance of Psychology in Physical Education and

SOCIOLOGY	Asst 2	Asst 2	Winter Break	Winter Break	Winter Break	Mental Toughness.
		Development	Resilience, Mental Toughness			Explain the issues related to adolescent behaviour and Team Cohesion in Sports Students will distinguish different Psychological Attributes like Attention, Resilience, and Mental
		Psychology in Physical Education & Sports; Developmental Characteristics at Different Stages of	Cohesion and Sports; Introductio n to Psychologic al Attributes: Attention,			sports. The students will be able to differentiate characteristics of growth and development at different stages.

		Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - January 2025) class XI						
Subjects	Week - 1	Week - 2	Week - 2         Week - 3         Week - 4         Week - 5         Learning Outcomes					
English		Hornbill:	Reading Comprehensi	Snapshots: Birth (prose)	GRAMMAR: Integrated	-to appreciate and		

		Father to Son (poem)	on- unseen passage		Grammar exercises	analyse special features of languages that differentiate literary texts from non-literary ones, explore and evaluate features of character, plot, setting, etc. to use grammatical structures accurately and appropriately
Mathematics	Winter	Derivativ	Derivative	To recall	To solve	To Introduce Intuitive
	Break	es and Limits	s using first	Random	Problems based on	idea of Derivatives and
			principle	Experime	Probabili	Limits of Trigonometric
	Pr ba	Problems based on	To find the	nts Event	LY	Functions
		Limits	derivative of a given	Axiomatic Approach		Evaluate the limits and
		Limits of	function	to Probabilit		function at a given
		etric Functions	Evaluate the limits	y		To recall
		Evaluate the limits and derivative s of a function	and derivatives of a function at a given point			Random Experiments Event. Axiomatic Approach to Probability To solve Problems based on Probability
		-				

	at a given point				
Physics	Chapter–1 3: 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	Chapter–14: Oscillations 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. <b>Chapter–15:</b> <b>Waves</b> Wave motion: Transverse and longitudinal waves	speed of travelling wave, displacemen t relation for a progressive wave, principle of superpositio n of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats	Learners will be able to understand the Concept of Different forms of energy possessed by a body executing SHM with its mathematical analysis. Learners will be able to understand the Mathematical analysis of waves along its basic parameters (Amplitude , Frequency and Phase) Learners will be able to understand the concept of reflection of waves along with concept of harmonics

	path, Avogadı number.	ro's				
Chemistry	Path, Avogadh number.Unit VI: Equilibr in phys: and che process 	ro's ium rium ical es, c of rium, nass rium t	Ionization of acids and bases, strong and weak electrolytes, degree of ionisation, ionisation of poly basic acids, acid strength	Concept of pH, hydrolysis of salts (elementary idea), common ion effect, buffer solution, Henderson Equation, solubility product.	<ul> <li>-explain the equilibrium involving dissolution of solid in liquids and gases in liquids.</li> <li>-state the Henry's Law and know its application.</li> <li>-derive the mathematical expression for the law of chemical equilibrium for a general reaction.</li> <li>-distinguish between homogenous and heterogeneous equilibria.</li> <li>-state the Le Chatelier's principle.</li> <li>-write conjugate acid and conjugate bases for Bronsted bases and Bronsted acids respectively.</li> <li>-define pH of a solution and solve numerical based on pH</li> <li>-describe a buffer solution.</li> </ul>	
					-comprehend the meaning of solubility product.	
Biology	Ch 16 : Excretory Products and their Eliminatio n	Ch 17: Locomotion and Movement	Ch 17: Locomotion and Movement	Ch 18: Neural Control and Coordinatio n.	Ch 18: Neural Control and Coordinati on.	-To understand and study the locomotive organs, neurons and nerves; Nervous system in humans - central nervous system; peripheral nervous. -To study the different types of joints in body and skull, the system and visceral nervous system; generation and conduction of nerve impulse.
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Informatics Practices	Unit 4: Introduct ion to emerging trends Artificial Intelligenc e, Machine Learning, Natural Language Processin g	Immersive experience (AR, VR), Robotics, Big data and its characteristi cs	Internet of Things (IoT), Sensors, Smart cities	Cloud Computing and Cloud Services (SaaS, IaaS, PaaS)	Grid Computing, Block chain technology	Students will understand concepts like artificial Intelligence & Machine Learning and their application in daily life. They will get an idea about cloud computing and its services and how it works in technology.
Computer Science	Unit - 3 Society, law and Ethics - Digital Footprints , Digital Society and Netizens	Data Protection: Intellectual property rights, Violation of IPR, open source software and licensing.	Cyber Crime & Cyber safety	Malware, E-waste management	Information Technology Act(IT Act), Technology and Society	<ul> <li>Students will understand <ul> <li>How to use technology</li> <li>How to avoid plagiarism</li> <li>licensing agreement in terms of software</li> <li>Cyber crime &amp; its impacts</li> <li>E-waste &amp; its management</li> </ul> </li> </ul>
ACCOUNTANCY		Preparation of Financial	Preparation of Financial	Preparation of Financial	Incomplete Records	Adjustments in preparation of

		Statement. (with adjustments)	Statement. (with adjustments)	Statement. (with adjustments)	Features, reasons and limitations. Ascertainme nt of Profit/Loss by Statement of Affairs method.	financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance.Adjustments for depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, Abnormal loss, Adjustments for Goods taken for personal use/staff welfare, interest on capital and managers commission. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments. Understand the meaning of single entry, advantages and disadvantages Ascertainment of capital and determination of profit or loss
BUSINESS STUDIES	Internal Trade	Concept and Types. WholeSale trade and Retail Trade,Types of Large scale Retailers	International Business.	Understand the concept of international trade.	Describe the benefit of internation al trade to the nation and business firms. Revisions.	Learners will be able to learn the concept of Internal Trade.Its concepts and its types. Learners will learn the concept of International Business.Its concept and its Types.

ECONOMICS		Market Equilibrium - Price Ceiling & Price Flooring	Index Number - Meaning, Importance & Uses Types of Index Numbers	Construction of Index Number	REVISION BEGINS	Demonstrate the role of Government in overcoming the limitations of market system B. Explain the role of price ceiling in necessary goods. Explain the role of price flooring in the case of agriculture goods. Explain the meaning of index number. Summarises the importance of using Index Number Explain how inflation is measured using the different index numbers. Calculate the price index using the Weighted Aggregative Price Index & Weighted Price Relative Price Index.
ENTREPRENEURSHIP			REVISION	REVISION		
		REVISION	Internal	Internal		
		Internal	Evaluation.	Evaluation.		
		Evaluation.	Project Work	Project work	KEVISION	
		Project work	assessment	assessment		
		assessment	Vivo	Vivo		
			Isometric	Isometric		
ENGINEERING GRAPHICS		Isometric	projection of	projection of	REVISION	Understand and analyzes the
	WINTER BREAK	projection of square,triangl	pentagon,hexa	the circle	FOR FINAL	constructive methods of ISO
			gon in both	using four	NT	conditions
		c, i ectaligie	conditions	centre		

			(kept in HP and VP)	methods in HP and VP.		
PSYCHOLOGY	Chp-9: Motivati on & Emotion Theorie s of Motivati on Biologic al & Psycho Social Motives	Annual Practicals	Theories Emotion- Scachter & Singer ; Cannon Bard,	Conflicts	REVISIO N	Learners will be able to *Compare between Biological & Psycho Social Motives *Enlist Hierarchy of Motives
PHYSICAL EDUCATION		Unit-10 Training & Doping in Sports Concept and Principles of Sports Training	Training Load: Over Load, Adaptation, and Recovery Warming-up & Limbering Down – Types, Method & Importance	Concept of Skill, Concept of Doping and its disadvantage s Technique, Tactics & Strategies	REVISION FOR FINAL ASSESSMEN T	To make the students aware about concepts and principles of sports training. To make students learn and understand the Training Load, Overload, Adaptation, and Recovery concepts. To make students Understand the importance of warming up and limbering down exercises. To introduce the terms like To make students aware of the doping substances and their disadvantages in sports. Skills, Techniques, Tactics, and Strategies to the

						student
SOCIOLOGY	Winter break	Unit 7: Indian Sociologists	Unit 7 Indian Sociologists	Revision for finals	Project viva and Revision	Students will be able to: -learn about G.S Ghurye and his contribution to Indian Sociology -learn about G.S Ghurye and A.R Desaid and their contribution to Indian Sociology -learn about the contributions of D.P Mukherjee to Indian Sociology

	Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - February 2025) class XI							
Subjects	Week - 1	Veek - 1 Week - 2 Week - 3 Week - 4 Week - 5 Learning Outcome						
English	REVISION	REVISION						
Mathematics	Revision for Final	Revision for Final	Final Examination	Final Examination	Final Examinatio n			

	Examinati	Examinati				
	on	on				
Physics			FINAL	FINAL	FINAL	
Filysics	REVISION	REVISION	EXAMINATION	EXAMINATION	EXAMINATION	
Chemistry	REVISION	REVISION	FINAL	FINAL	FINAL	
			EXAMINATION	EXAMINATION	EXAMINATION	
Biology	Ch 19 : Chemical Coordination and Integration	REVISION & FINAL EXAM	REVISION & FINAL EXAM	REVISION & FINAL EXAM	REVISION & FINAL EXAM	-To study and understand the different types of messengers which are regulating our body functions.
Informatics Practices	Revision	Revision	Final Examination	Final Examination	Final Examination	
Computer Science	Revision	Revision	Final Examination	Final Examination	Final Examination	
ACCOUNTANCY	Revision	Revision	Final Examination	Final Examination	Final Examination	
BUSINESS STUDIES	REVISION	REVISION	FINAL EXAMINATION	FINAL EXAMINATION	FINAL EXAMINATION	
ECONOMICS						
ENTREPRENEURSHIP	REVISION	REVISION	FINAL EXAMINATION	FINAL EXAMINATION	FINAL EXAMINATION	
MARKETING	REVISION	REVISION	FINAL EXAMINATION	FINAL EXAMINATION	FINAL EXAMINATION	
ENGINEERING GRAPHICS	REVISION & FINAL EXAM	REVISION & FINAL EXAM	REVISION & FINAL EXAM	REVISION & FINAL EXAM	REVISION & FINAL EXAM	Students get a clear idea about the two and three dimensional views and

						concepts.
PSYCHOLOGY			FINAL	FINAL	FINAL	
	REVISION	REVISION	EXAMINATION	EXAMINATION	EXAMINATION	
PHYSICAL EDUCATION			FINAL	FINAL	FINAL	
	REVISION	REVISION	EXAMINATION	EXAMINATION	EXAMINATION	
SOCIOLOGY			FINAL	FINAL	FINAL	
	REVISION	REVISION	EXAMINATION	EXAMINATION	EXAMINATION	