Indian School Wadi Kabir

Class: XI

ISWK SHARING KNOWLEDGE

(Monthly Plan - August 2022)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	**Hornbill**- A Photograph (Poem)	**Snapshots**- The Summer of the Beautiful White Horse (Prose)	**Snapshots**- The Summer of the Beautiful White Horse (Prose) **Grammar** - Questions on Gap filling (Tenses, Clauses)	**Reading comprehension-** Note Making and Summarization based on a passage of approximately 200-250 words.	**Reading comprehension-** Note Making and Summarization based on a passage of approximately 200-250 words.	**Make notes from various resources for the purpose of developing the extracted ideas into sustained pieces of writing** **Respond to literary texts, appreciate and analyse special features of languages** **Understand the writer's purpose, tone and themes**
MATHEMATICS	***Relations and Functions** Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian	***Relations and Functions** Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and	***Trigonometric Functions** Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of	***Trigonometric Functions** Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing sin	***Linear InequalitiesLinear inequalities.** Algebraic solutions of linear inequalities in one variable and their representation on the number line.	Identifies functions, domain and range. Understands trigonometric functions, identities, properties and its applications.

	product of two finite sets. Cartesian product of the set of reals with itself (upto R x R x R).Definition of relation, pictorial diagrams, domain, co-domain and range of a relation.	range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.	trigonometric functions with the help of unit circle	(x±y) and cos (x±y) in terms of sinx, siny, cosx & cosy and their simple applications. Deducing identities. ***Complex Numbers** complex numbers, especially$\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane		Identifies complex numbers. Will able able to solve linear inequalities.
APPLIED MATHEMATICS	**Relations** Ordered pairs Cartesian product of two sets Express relation as a subset of Cartesian product Domain and Range	**Descriptive Statistics** Measure of Dispersion Differentiate between range, quartile deviation, mean deviation and standard deviation Calculate range, quartile deviation, mean deviation and standard deviation	**Skewness and Kurtosis** Interpret Skewness and Kurtosis of a frequency distribution by plotting the graph Calculate coefficient of Skewness and interpret the results	**Percentile rank and Quartile rank Correlation** Calculate and interpret Percentile and Quartile rank of scores in a given data set Calculate Product moment correlation for ungrouped and grouped data	**Numbers & Quantification** Binary Numbers Indices, Find logarithm and antilogarithms of given number Laws and properties of logarithms Simple applications of logarithm and antilogarithm	Ordered pair, order of elements in an ordered pair and equality of ordered pairs Cartesian product of two non-empty sets Definition of Relation, examples pertaining to relations in the real number system Examples of different kinds of data helping students to choose and

		for ungrouped and grouped data set		Calculate Karl Pearson's coefficient of correlation Calculate Spearman's rank correlation		compare different measures of dispersion Visualization of graphical representation of data using Excel Spreadsheet or any other computer assisted tool Emphasis on visualizing, analysing and interpreting percentile and quartile rank scores, coefficient of correlation Introduction of logarithm and antilogarithm
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. Cases of uniform velocity and uniform acceleration-projectile motion. Uniform circular motion.	Exercises and worksheet.	**CHAPTER 2-** **UNITS AND MEASUREMENT** Need for measurement: Units of measurement; systems of units; SI units. Fundamental units and derived units. significant figures.	dimensional analysis and its applications. Exercises and worksheet. **CHAPTER 5-** **LAWS OF MOTION** Intuitive concept of force. Inertia,	Learners will be able to understand basics of Scalar and Vector quantities along with its Mathematical analysis Learners will be able to understand the concept of Projectile and it mathematical analysis Learners will be able to understand the significance and importance of dimensional analysis of any physical quantity

				Dimensions of physical quantities.	Newton's first law of motion; momentum and Newton's second law of motion; impulse.	Learners will be able to understand the Concept of force along all the three Newton's laws of motion.
CHEMISTRY	Unit 1: Some basic concepts of Chemistry Stoichiometry and calculations based on stoichiometry. Concentration of solutions	Unit 2 : Structure of Atom 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 Aufbau principle, Pauli's exclusion principle and Hund's rule	Electronic configuration of atoms stability of half-filled and completely filled orbitals.	Learners can state the de Broglie relation and Heisenberg uncertainty principle Learners can define an atomic orbital in terms of quantum numbers Learners can state aufbau principle, Pauli exclusion principle and Hund's rule of maximum multiplicity
BIOLOGY	Chapter - **Anatomy of flowering plants** - Tissues	Chapter - Anatomy of flowering plants - Primary structure - Stem and root Chapter - Living world - seminar	Chapter - **Anatomy of flowering plants** - Primary structure - Leaf Chapter - **Biological classification** - Five kingdom classification -seminar	Chapter - **Anatomy of flowering plants** - secondary structure Chapter - **Biological classification** - Viruses and Lichen - seminar	Chapter - **Structural organisation in animals** Chapter - **Plant kingdom** - seminar	Students will be familiarised with the anatomical terms, able to explain the primary structure of root, stem and leaf, able to draw the diagrams of primary structure

						They will be able to appreciate the features of living world, appreciate the importance of biological classification Students will be able to describe the classes in plant kingdom
INFORMATICS PRACTICES	Introduction to Python Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators	Programming concepts data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments	Statements, Data Types input and output statements, data type conversion, debugging	control statements if-else statement, if else ladder, nested if .	control statements for loop - range function, start , stop and step attributes	Students will be introduced to python programming: They will understand the concept of variables, datatypes wetc. Students will be able to write statements in python for different operations. They will understand the concept of conditions and selection statements.
COMPUTER SCIENCE	Operating system (OS): functions of operating	● Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth table, De	● Introduction to problem solving: Representation of algorithms using	Knowledge of data types: number (integer, floating	Operators: arithmetic operators,	● Students will understand the functionality of the OS.

	system, OS user interface.	Morgan's laws and logic circuits ● Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems. ● Encoding schemes: ASCII, ISCII and UNICODE (UTF8, UTF32)	flow chart and pseudo code, decomposition ● Familiarization with the basics of Python programming: Execution modes: interactive mode and script mode, Python character set, ● Python tokens (keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments	point, complex), boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types	relational operators, logical operators, assignment operator, augmented assignment operators, identity operators(is, is not), membership operators(in, not in)	● Students will understand the use of Logic Gates used in internal architecture. ● Students will understand the use Interactive mode and script mode used in Python. ● Students will understand the various tokens used in the python program.
ACCOUNTANCY	Basic Accounting Terms- Entity, Business Transaction, Capital, Drawings. Liabilities (Non-Current and Current). Assets (Non-Current, Current);	Recap of accounting terminologies Theory Base of Accounting GAAP: Concept Basic accounting concept : Business Entity, Money	Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure, Consistency, Conservatism, Materiality and Objectivity System of Accounting. Basis of Accounting: cash basis	Voucher and Transactions: Source documents and Vouchers, Preparation of Vouchers, Accounting Equation Approach: Meaning and	Accounting equation (contd.,)	Explain the various terms used in accounting and differentiate between different related terms like current and non current, capital and revenue. Appreciate that various accounting standards

	Expenditure (Capital and Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (Trade discount and Cash Discount)	Measurement, Going Concern, Accounting Period	and accrual basis Accounting Standards: Applicability in IndAS	Analysis, Rules of Debit and Credit.		developed nationally and globally are in practice for bringing parity in the accounting treatment of different items. Explain the concept of accounting equation and appreciate that every transaction affects either both the sides of the equation or a positive effect on one item and a negative effect on another item on the same side of accounting equation. explain the effect of a transaction (increase or decrease) on the assets, liabilities, capital, revenue and expenses.
BUSINESS STUDIES	CHAPTER 1 : Business, Trade and Commerce Revision Introduction Role of Business in the	Chapter Notes Worksheets Class Tests CHAPTER 2 : Forms of Business Organisation Introduction	Partnership Types of Partners Types of Partnerships Cooperative society Types of Cooperative Societies	Chapter 2 : Contd Types of Companies Choice of form of Business Organisation Factors influencing the choice of form of Business Organisation	Comparative Evaluation of forms of organisations Recap Chapter Notes Worksheets	Week 1 : Chapter 1 Revision Notes completion Review Tests Week 2 : Content Distribution Worksheets

	Development of the Economy. Concept of Business. Characteristics of Business Activities. Comparison of Business, Profession and Employment Classification of Business Activities Commerce Trade and Auxiliaries to Trade Objectives of Business Business Risk Causes of Business Risks Starting a Business — Basic Factors	Sole Proprietorship Joint Hindu Family Business	Joint Stock Company		Review Tests	Class Tests Week 3 : Chapter 2 •Identify different forms of business organisation; • features, merits and limitations of different forms of business organisations; • distinguish between various forms of organisations; . Week 4 : Partnership Types of Partners Types of Partnerships Week 5 : Cooperative society Types of Cooperative Societies Joint Stock Company Notes Review Tests

ECONOMICS	**Recapitulation of the previous lessons**	Organisation of Data:Meaning and types of variables; Frequency Distribution	Presentation of Data: Tabular Presentation	Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams),	(ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).	• The students will know to classify the data for further statistical analysis; • • prepare a frequency distribution univariate and bivariate frequency distributions. • The students will know how to present data using tables and represent data using appropriate diagrams
ENTREPRENEURSHIP	Revision/ Recap Unit I Process of Entrepreneurship	Unit II An Entrepreneur - Why be an Entrepreneur Types of Entrepreneurs	Entrepreneurial Values, Attitudes and Motivation Values - What are values?	Intrapreneur: - Meaning - Importance	Content Distribution - Worksheets - Writing Notes Review Tests	Week 1 • Recaps • Notes • Review Test Week 2 Students will be able to:

	Content Distribution - Worksheets - Writing Notes Review Tests	Competencies & Characteristics - Entrepreneurial Competencies	- What are core values of entrepreneurs ? Attitude - What is an attitude? - Features - Sources - Essential Attitudes of an Entrepreneur Motivation - Concept - Process - Theories - Maslow's - McClelland's			● Understand the motivation to become an entrepreneur ● Differentiate between various types of entrepreneurs Week 3 Students will be able to: ● Discover the Entrepreneurial Values, Attitudes and Motivation ● Critically examine the Motivational Theories Week 4 ● Understand the concept of Intrapreneur ● Analyze the importance of an Intrapreneur ● Content Distribution Week 5 ● Content Distribution ● Review Tests

MARKETING	Revision/ Recap Unit I - Concept & definition - Importance & Scope - Careers in Marketing Evolution of Different Marketing Philosophies - Production concept - product concept - sales concept - Marketing concept Concept of Marketing & Selling - Introduction - Differentiation	Relationship Marketing - Concept - Application Content Distribution - Worksheet - Writing notes Review Test	Unit II - Marketing Environment Meaning and Importance of Environment - meaning and definition of Marketing environment - static and dynamic environment in business. - Study 'Internal and 'External environment factors' Environmental scanning - Concept and definition - Steps - Importance	Macro Environment Factors - Meaning - Factors Micro Environment Factors - Meaning - Factors Content Distribution - Worksheets - Notes Review Test	Employability Skills Unit I Communication Skills Methods of communication - Verbal - Non-verbal - Visual Communication styles- - assertive, - aggressive, - passive aggressive, - submissive Writing skills to the following: - Sentence - Phrase - Kinds of Sentences - Parts of Sentence - Parts of Speech - Articles - Construction of a Paragraph	Week 1 ● Identify the basic ideology behind each concept evolved ● Identify the point of differences in the marketing and selling concepts Week 2 Students will be able to: ● Identify the concept of Relationship Marketing ● Analysing the importance of RM ● Review test for follow up Week 3 Students will be able to ● Understand the term Marketing, static and dynamic environment ● Evaluate the impact & Distinguish between

						‘Internal and ‘External environment factors’ ● Rationalise the Environmental scanning ● Explain the significance of Environmental scanning for an organisation ● Identify the macro and micro environmental factors ● Differentiate between the factors ● Demonstrate knowledge of various methods of communication ● Identify specific Communication styles ● Demonstrate basic writing skills

ENGINEERING GRAPHICS	Unit 2 : Circles and its circumference Definitions Circle and circumference	Introduction to inscribing of figures	Inscribing of circles : Inside a triangle Inscribing of circles : Inside a pentagon Inside a hexagon Inside an Octagon	Unit 3:Orthographic projections of regular solids. Introduction: Explanation of four quadrants	Points Lines Views of an object Orthographic projection Standard method of orthographic projection	Students will understand different concepts of circles and also the core topic of engineering graphics.
PSYCHOLOGY	Revision	1. What is Psychology ● Branches of Psychology ● Themes of Research and Application ● Psychology and other Disciplines ● Psychology in Everyday life 2. Revision	1. Methods of Enquiry in Psychology ● Goals of Psychological Enquiry ● Nature of Psychological Data ● Some important methods in Psychology	1. Methods of Enquiry in Psychology ● Some important methods in Psychology ● Limitation of Psychological Enquiry ● Ethical Issues 2. Revision	1. Human Development ● Meaning of Development ● Factors influencing development ● Context of Development	Explain the goals and nature of psychological enquiry Understand different types of data used by psychologists Describes some important methods of psychological enquiry Understand the methods of analysing data Learn about the limitations of psychological enquiry and ethical consideration
PHYSICAL	Revision					**Unit 1** recognize the concept of Physical

EDUCATION	**Unit I Changing Trends & Career in Physical Education** *Concept, Aims & Objectives of Physical Education *Changing Trends in Sports- playing surface, wearable gears and sports equipment, technological advancements	*Career Options in Physical Education *Khelo-India and Fit-India Program **Unit II Olympism Ancient and Modern Olympics** *Ancient and Modern Olympics	*Olympism – Concept and Olympics Values (Excellence, Friendship & Respect) *Olympics - Symbols, Motto, Flag, Oath, and Anthem	*Olympic Movement Structure - IOC, NOC, IFS, Other members **Unit III Yoga** ●Meaning & Importance of Yoga	●Introduction to Ashtanga Yoga ● Introduction to Yogic Kriyas (Shat Karma)	Education identify the aims and objectives of Physical Education explore different career options in the field of Physical Education understand Khelo India Programme **Unit 2** differentiate between Modern and Ancient Olympic Games, identify the Olympic Symbols and Ideals incorporate values of Olympism in your life. describe the role, responsibilities and functioning of IOC and IOA **Unit 3**recognize the concept of yoga and aware with the importance of it identify the elements of yoga identify the Asanas, Pranayamas and yogic kriyas
SOCIOLOGY	**Introduction to Chapter 2:** Terms, concepts and their uses in Sociology	**Chap 2: Social Groups and Society continues** Types of Groups Social Stratification	**Completion of Chap 2:** Social Stratification Society and Social Control	**Chap 3: Introduction to Understanding social institutions** Family marriage & kinship	**Chap 3 continues:** Work & Economic Life Politics Religion Education	**Chap 2:** Students learn about the different terms and concepts used in Sociology, understand their meaning from 2

						perspectives- functionalist and conflict Students also learn about different types of social groups in society and understand the meaning and forms of social stratification in society like caste, class, and the way role and status are defined and understood in this context. Students will also learn about social control and agencies that enforce these in society briefly **Chapter 3:** students will be introduced to social institutions with a focus on family, marriage and kinship to begin with. Students will also learn about the meaning of work and economic life in the context of social institutions. Students will get familiar about the different institutions that exist in Politics and understand how religion and education also serve as social institutions

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ISWK SHARING KNOWLEDGE

(Monthly Plan - September 2022)

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)	**Hornbill-**"We're Not Afraid to Die… if we can be together (prose) **Short writing task –** Classified Advertisements up to 50 words	**Short writing task** – Classified Advertisements up to 50 words REVISION	EXAMS	EXAMS	**Ability to arrive at a deeper understanding of not only the world presented in the book but also of the real world around them** **Draft advertisements effectively and appropriately** **Use grammatical structures accurately and appropriately**

MATHEMATICS	***Linear inequalities contd.**	***Permutations and Combinations:** Fundamental principle of counting. Factorial n. (n!) Permutations . combinations, derivation of Formulae for nPr and nCr and their connections, simple applications.	***Permutations and Combinations:** Word problems	MID TERM EXAMS	MID TERM EXAMS	students will be able to apply the concepts of permutations and combinations to solve real life related sums
APPLIED MATHEMATICS	**Numbers, Quantification and Numerical Applications** Laws and properties of logarithms	Enlist the laws and properties of logarithms Apply laws of logarithm Use logarithm in different applications Averages,	Calculate the angle formed between two hands of clock at given time Determine Odd days in a month/ year/ century Calendar Time, Work and Distance Calculate the volume/ surface area for solid formed using two or more shapes	MID TERM EXAMS	MID TERM EXAMS	Fundamental laws of logarithm Express the problem in the form of an equation and apply logarithm/ antilogarithm Problems on average, weighted average Number of rotations of minute hand / hour hand of a clock in a day Basic concept of time and work Combination of solids

PHYSICS	Newton's third law of motion.	conservation of linear um and its applications. um of concurrent forces. d kinetic friction, laws of ion, rolling friction, n. Dynamics of uniform circular motion: etal force, examples of notion (vehicle on a level road, vehicle on banked Exercise and Worksheet	**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-conservativ e forces. REVISION	MID TERM EXAMS	MID TERM EXAMS	Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion Learners will be able to understand the Basic concept of work done along with its mathematical analysis and Classification of work. Learners will be able to understand the Concept of mechanical energy, different forms of energy and its conservation with necessary mathematical analysis. Learners will be able to understand the Mechanical power along with its Practical and SI units.
CHEMISTRY	Unit 3: Classification of elements and periodicity in properties	Nomenclature of elements with atomic number	Modern periodic law and the	Variation of chemical properties across a	Assessment 1	

		greater than 100.	present form of periodic table periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy,	period and down the group		
BIOLOGY	Chapter - **Animal kingdom** - seminar	**Cell the unit of life –** Structure of prokaryotic cell, plasma membrane, cell organelles Chapter - **Animal kingdom** - seminar	**Cell the unit of life** – nucleus **Biomolecules** – micro molecules (amino acids, nitrogen bases), proteins, polysaccharides, DNA, Enzymes	ASSESSMENT 1	ASSESSMENT 1	Students will be able to explain the different classes of animal kingdom Able to describe the structure and function of different organelles and draw the structure Appreciate the importance and roles of different micro and macro molecules

INFORMATICS PRACTICES	Control Statement: for loop – range function, start , stop and step attributes	Control Statement: for loop - range function, start , stop and step attributes	Revision on python basics, statements, control statements- if else and for loops	Assessment1	Assessment1	Students will be able to apply the concept of loops in their programs. They will be able to identify the working of loops and use it in their applications
COMPUTER SCIENCE	Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output	Errors: syntax errors, logical errors, runtime errors ● Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control ErrorConditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number	Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc - Revision	Assessment 1	Assessment 1	● Students will understand the Operator precedence in expression and type conversion. ● Students will understand the difference between various errors. ● Students will learn the use of selection constructs - various forms of if..else statements and iterative constructs - for loop.

ACCOUNTANCY	Accounting Equation (Contd.,) Rules of Debit and Credit	Recording of Transactions: Books of Original Entry- Journal	Comprehensive questions with compound entries and GST Special Purpose books: Cash Book: Simple, cash book with bank column. Subsidiary books: Purchases book, Sales book Revision	ASSESSMENT 1	ASSESSMENT 1	Appreciate that on the basis of source documents, accounting vouchers are prepared for recording transaction in the books of accounts. develop the understanding of recording of transactions in journal and the skill of calculating GST. Explain the purpose of maintaining a Cash Book and develop the skill of preparing the format of different types of cash books and the method of recording cash transactions in Cash book. Describe the method of recording transactions other than cash transactions as per their nature in different subsidiary books .

BUSINESS STUDIES	Chapter 3 : Private, Public and Global Enterprises Private Sector and Public Sector Forms of Organising Public Sector Enterprises Departmental Undertakings Statutory Corporations Government Company Changing Role of Public Sector	Global Enterprises Joint Ventures Types of Joint Ventures Chapter Notes Worksheets Tests	Chapter 4: Business Services Business services – meaning and types. Banking: Types of bank accounts - savings, current, recurring, fixed deposit and multiple option deposit account Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital payments Insurance – Principles. Types – life, health, fire and marine insurance – concept Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning	ASSESSMENT	ASSESSMENT	Week 1 : Students will be able to understand types of companies. Choice of form of business organisation. Factors influencing the choice of form of business organisation. Week 2 : Comparative evaluation of forms of organisation Week 3 : Recap Notes Worksheets Assessments/Tests Week 4 : Chapter 3 Introducing Private,public and Global enterprises concept. Forms of Organising Public sector Enterprises. Dept undertakings,statutory corporations,government company,public sector,Joint ventures. Chapter 4 :

						Understand the meaning and types of business services. Discuss the meaning and types of Business service Banking Develop an understanding of difference types of bank account.Develop an understanding of the different services provided by banks. Recall the concept of insurance Understand Utmost Good Faith, Insurable Interest, Indemnity, Contribution, Doctrine of Subrogation and Causa Proxima as principles of insurance Discuss the meaning of different types of insurance-life, health, fire, marine insurance.

ECONOMICS	Introduction: Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost.	Consumer's Equilibrium and Demand: Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility. conditions of consumer's equilibrium using marginal utility analysis	Consumer's equilibrium (Contd): and Indifference curve analysis of consumer's equilibrium-t he consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium. REVISION	ASSESSMENT 1	ASSESSMENT 1	The students will know the behaviour of a rational individual consumer. They know how the consumer has to decide how to spend her income on different goods1.
ENTREPRENEURSHIP	Unit III Entrepreneurial Journey	Business Plan: - meaning, - purpose and - elements	Content Distribution - Worksheets	-		Students will be able to: ● Understand ways of idea generation.

	- Idea generation. - Feasibility Study and opportunity assessment	- Execution of Business Plan	- Writing Notes Review Tests			● Discuss the concept of types of feasibility study ● Draft a basic business plan ● Understand the reasons for success and failure of business plan
MARKETING	Writing skills to the following: - Sentence - Phrase - Kinds of Sentences - Parts of Sentence - Parts of Speech - Articles - Construction of a Paragraph Content Distribution - Worksheets - Writing notes Review Tests	Employability Skills Unit - II Self-management Skills –III - Describe the importance of dressing appropriately, looking decent and positive body language - Describe the term Grooming - Prepare a personal grooming checklist - Describe the techniques of self Exploration	- Describe the important factors that influence in team building - Describe factors influencing team work Time Management - Meaning - Importance	-		Students will be able to: ● Demonstrate impressive appearance and grooming ● Demonstrate the ability to self-explore ● Demonstrate team work skills ● Examine the effect of influencing ● Apply time management strategies and techniques through gamified activities Week 4

						Students will be able to: ● Elucidate the meaning and importance of Segmentation Week 5 Students will be able to: ● Critically examine the bases and types of Segmentation ● Comprehend the concept of targeting and its types
ENGINEERING GRAPHICS	Projection of points,lines and plane figures in 1st and 3rd angle method of projections. Introduction to orthographic projection of Regular solids..	Horizontal solids with axis parallel to V.P. Solids inclined to V.P. Solids inclined to H.P	Vertical prisms Vertical pyramids Horizontal solids with axis at right angles to V.P. Horizontal solids with axis parallel to V.P.	ASSESSMENT 1	ASSESSMENT 1	Students will get an idea about Orthographic projections of regular solids and they will understand to visualise different 3 D models.

			Solids inclined to V.P. Solids inclined to H.P Revision for Assessment 1			
PSYCHOLOGY	1. Human Development ● Overview of Developmental Stages 2. Revision	1. Motivation & Emotion ● Nature of motivation ● Types of motives ● Maslow's hierarchy of needs ● Nature of emotions ● Physiological bases of emotions	1. Motivation & Emotion ● Cognitive Bases of emotion ● Cultural Bases of emotion ● Expression of emotion ● Managing negative emotions ● Enhancing positive emotions	1. Motivation & Emotion ● Revision 2. Sensory, Attentional and Perceptual Processes ● Knowing the world ● Nature and Varieties of stimulus ● Sense modality ● Attentional Processes	1. Sensory, Attentional and Perceptual Processes ● Perceptual Processes ● The Perceiver ● Principles of Perceptual Organisation	Describe the meaning and process of development Explain the influence of heredity, environment and context on human development Identify the stages of development and describe the major characteristics of infancy, childhood, adolescence, adulthood and old age. Reflect on your own course of development and related experiences. Understand the nature of human motivation Describe the nature of some important motives Describe the nature of emotional expression

						Understand the relationship between culture and emotion Know how to manage your emotions.
PHYSICAL EDUCATION	**Physical Education & Sports for CWSN (Children With Special Needs- Divyang)** ● Concept of Disability and Disorder	● Types of Disability, its causes & nature (Intellectual disability, Physical disability) ● Aim & Objective of Adaptive Physical Education	● Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & Special Educator) Physical Fitness, Health and Wellness	● Meaning and Importance of Wellness, Health and Physical Fitness	● Components/Dimensions of Wellness, Health and Physical Fitness ● Traditional **Sports & Regional Games for prom**oting wellness	Identify the factors that affect access to physical activity for CWSN. recognize the need of Physical Education and sports for CWSN. outline and describe the aim and objectives of Adapted Physical Education identify different professionals, their role and services for CWSN
SOCIOLOGY	**TB 2 (Chap 4): Introduction to Western Sociologists** Karl Marx (His life, work and contribution to Sociology)	Revision on 4 topics taught so far Review of the Project work done by students during the Summer break	Revision on 4 topics taught so far	Assessment	Assessment Western Sociologists continued: Emile Durkheim Max Weber	Students will learn about the contribution of western thinkers like Marx, Weber and Durkheim to sociology Students will do a thorough revision on the 4 topics taught so far and prepare for the exams

						Students will discuss and share their project work completed and plan the next part of it

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ISWK SHARING KNOWLEDGE

(Monthly Plan - October 2022)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	**Snapshots-**The Address (Prose)	**Snapshots-**The Address (Prose) **Hornbill-**The Laburnum Top (Poem)	**Hornbill-** Discovering Tut: the Saga Continues (prose) **Grammar-** Questions on re-ordering /transformation of sentences	**Writing** - a Speech in 120-150 words based on verbal / visual cues related to some contemporary / age-appropriate topic.	**Writing** - a Speech in 120-150 words based on verbal / visual cues related to some contemporary / age-appropriate topic. **Hornbill-** The Voice of the Rain (Poem)	**Express opinions, facts, arguments in the form of speech, using a variety of accurate sentence structures** **Comprehend the difference between the literal and the figurative**
MATHEMATICS	***Binomial Theorem** Proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications	***Sequences and Series** Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.	Sequences and Series contd. Practice problems	***Statistics** Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data.	Practice problems on variance and standard deviation	Understands binomial theorem and applies the theorem to expand binomial terms with a given power. Learn the concepts of AM and GM and relation between AM and GM. Able to effectively conduct research, to read and evaluate and develop critical thinking.

APPLIED MATHEMATICS	**Mathematical Reasoning** Logical reasoning Solve logical problems **Sequences and Series** Differentiate between sequence and series Arithmetic Progression	Establish the formulae of finding nthterm and sum of n terms **Find arithmetic mean (AM) of two positive numbers** **Solve application problems based on AP** **Find arithmetic mean (AM) of two positive numbers** **Solve problems based on applications of GP**	**Find geometric mean (GM) of two positive numbers** Solve problems based on relation between AM and GM Apply appropriate formulas of AP and GP to solve application problems **Permutations and Combinations** Define factorial of a number Calculate factorial of a number Fundamental Principle of Counting	Define permutation Apply the concept of permutation to solve simple problems Define combination Differentiate between permutation and combination Apply the formula of combination to solve the related problems	Apply the formula of combination to solve the related problems	Solve logical problems involving odd man out, syllogism, blood relation and coding decoding General term of AP: $t\ n=a+(n-1)d$ Sum of n terms of AP : Sn = $n/2[2a+(n-1)d]$ Sum of infinite term of GP Geometric mean of a and Applications based on ● Economy Stimulation ● The Virus spread etc. Usage of factorial in counting principles Permutation as arrangement of objects in a definite order taken some or all at a time The number of combinations of n different objects taken r at a time

PHYSICS	Elastic and inelastic collisions in one and two dimensions. Exercise and worksheet 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 mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque	angular momentum, law of conservation of angular momentum and its applications Equilibrium of rigid bodies. Rigid body rotation and equations of rotational motion, comparison of linear and rotational motions Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation) Exercise and worksheet	**CHAPTER 8 -** **GRAVITATION-** Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential,	Escape velocity, orbital velocity of a satellite. Exercises and worksheet	**PROPERTIES OF BULK MATTER** **CHAPTER 9 -** **MECHANICAL PROPERTIES OF SOLIDS** Elastic behaviour, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity(qualitative idea only), Poisson's ratio; elastic energy. Exercises and worksheet.	Learners will be able to understand the concept of centre of mass and centre of gravity of a body. Learners will be able to understand the Concept of Rotational Dynamics and equations of motion for rotating body. Learners will be able to understand the Analogy between Kinematics and Rotational Dynamics. Learners will be able to understand Concept of gravitational force between two bodies and its conservative nature. Learners will be able to understand the Concept of variation of acceleration due to gravity with height and depth. Learners will be able to understand Practicality of different types of Elastic modulli and Relation

						between stress and strain.
CHEMISTRY	**Chapter 4 Chemical Bonding and Molecular structure** Kossel Lewis theory,Lewis structure Dipole moment	Valence bond theory, resonance, geometry of covalent molecules Concept of hybridization involving s, p and d orbitals Shapes of some simple molecules,	Molecular Orbital theory of Homonuclear diatomic molecules,	**Unit 5 : Redox Reactions** Concept of oxidation and reduction, Redox reactions. Oxidation number, balancing redox reactions in terms of loss and gain of electrons.	Applications of redox reactions.	
BIOLOGY	**Cell cycle and Cell division**: Interphase, mitosis and meiosis	**Photosynthesis in higher plants** – LHC, light reaction, C3 & C4 cycle	**Photosynthesis in higher plants** – Photorespiration, factors affecting photosynthesis	**Respiration in plants** – Respiratory substrate, glycolysis, anaerobic respiration, Krebs cycle	**Respiration in plants** – ETS, Amphibolic pathway	Students are able to explain the different events in cell cycle Able to describe the steps in photosynthesis and appreciate its importance Able to explain the events in respiration

						Able to distinguish between anaerobic and aerobic respiration
INFORMATICS PRACTICES	list operations: creating, initializing, traversing and manipulating lists	list methods and built-in functions. len(), list(), append(), extend(), insert(), count(), find(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum()	Programs with lis: Different programs on lists More programs using lists: 1. finding the maximum and minimum from the list. 2. copying elements from one list to another 3. finding the average of even numbers in the list etc..	Introduction to dictionary: traversing, updating and deleting elements	traversing, updating and deleting elements in the dictionary. Exercise on traversing and updation	Students will understand the concept of lists and dictionary. They will be able to manipulate lists and different programs using list and dictionary
COMPUTER SCIENCE	● Strings: introduction, indexing ● String operations (concatenati	● Traversing a string using loops, built-in functions used with Strings.	● Built-in Functions in Strings. Lists: introduction, indexing	● List operations (concatenation, repetition,	● Traversing a List using loops, built-in functions used with Lists.	Students will understand how to implement Strings and Lists data structure

	on, repetition, membership & slicing)			membership & slicing)		in python program.
ACCOUNTANCY	Subsidiary books: Purchases Return Sales Return Journal Proper	Ledger: Format, Posting from journal and subsidiary books, Balancing of accounts	Ledger Comprehensive sums (Contd.,)	Bank Reconciliation Statement: Need and preparation, Bank Reconciliation Statement	Bank Reconciliation Statement: Need and preparation, Bank Reconciliation Statement (Contd.,)	Describe the method of recording transactions other than cash transactions as per their nature in different subsidiary books . Appreciate that at times bank balance as indicated by cash book is different from the bank balance as shown by the pass book / bank statement and to reconcile both the balances, bank reconciliation statement is prepared.
BUSINESS STUDIES	Chapter 5: Emerging Modes of Business Give the meaning of e-business. Discuss the scope of e-business. Appreciate the	Distinguish e-business from traditional business. Chapter 6: Social Responsibility of Business and Business Ethics Concept of social responsibility State the	Role of business in environment protection Appreciate the role of business in environment protection. Business Ethics - Concept and	Chapter 7 : Sources of Business Finance Concept of business finance State the meaning, nature and importance of business finance. Owners' funds-	State the meaning of borrowed funds. Discuss the concept of debentures, bonds, loans from financial institutions and commercial banks, Trade credit and inter corporate deposits. Distinguish between	Students will be able to explain the meaning of e-business,the scope of e-business. Appreciate the benefits of e business .Distinguish e-business from traditional business. Students will be able to State the meaning, nature and importance of

	benefits of e business	concept of social responsibility. Case of social responsibility Examine the case for social responsibility. Responsibility towards owners, investors, consumers, employees, government and community. Identify the social responsibility towards different interest groups.	Elements State the concept of business ethics. Describe the elements of business ethics.	equity shares, preferences share, retained earnings Classify the various sources of funds into owners' funds. State the meaning of owners' funds. Borrowed funds: debentures and bonds, loan from financial institutions and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD).	owners' funds and borrowed funds.	business finance. Owners' funds- equity shares, preferences share, retained earnings Classify the various sources of funds into owners' funds. State the meaning of owners' funds. Borrowed funds: debentures and bonds, loan from financial institutions and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD).Students will be able to understand the meaning of borrowed funds. Discuss the concept of debentures, bonds, loans from financial institutions and commercial banks, Trade credit and inter corporate deposits. Distinguish between owners' funds and borrowed funds.
ECONOMICS	Consumer's equilibrium (Contd): Demand, market	Measures of Central Tendency- Arithmetic mean	Measures of Central Tendency-Median and Mode	Producer Behaviour and Supply : Meaning of Production Function –	Producer Behaviour and Supply (Contd) : Cost: Short run costs - total cost, total fixed	The students will understand the need for summarising a set of data by one

	demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand - percentage-change method and total expenditure method.			Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor	cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships.	single number; • recognise and distinguish between the different types of averages; • learn to compute different types of averages; • draw meaningful conclusions from a set of data; • develop an understanding of which type of average would be the most useful in a particular situation.

ENTREPRENEURSHIP	Unit IV Entrepreneurship as Innovation and Problem Solving - Introductio - Entrepreneurs as problem solvers - Innovations and Entrepreneurial Ventures – Global and Indian	Role of Technology – E-commerce and Social Media - Introduction - Concept explanation Social Entrepreneurship - Concept - Difference between Social entrepreneurship and Entrepreneurship	Characteristics of Social Entrepreneurship Content Distribution - Writing Notes - Worksheets Review Tests	Unit V Understanding the Market Market: - Concept, - Types Micro and Macro Market Environment	Market Research - Concept, - Importance - Process	Students will be able to: ● Understand the concept of market and its evolution over the time. ● Understand the meaning and concept E-Business and E-Commerce. Its role in the modern day business community. ● Analyze the Market Environment at Micro and Macro Level. ● Explain the techniques of Market Research and the instruments used in the same. ● Appreciate the role of Market Survey as a source of collecting market information.

MARKETING	Unit - II Content Distribution - Writing Notes - Worksheets Subject Specific Skills Chp 3. SEGMENTATION, TARGETING AND POSITIONING Segmentation - Meaning - Importance -	- Bases of Segmentation - Types of Segmentation Targeting - Meaning - Types Positioning: - Define - Process Review Tests	- Bases Content Distribution - Worksheets - Writing notes Review Tests	Unit II Employability Skills INFORMATION AND COMMUNICATION TECHNOLOGY SKILLS – III Introduction to word processing. - Software packages for word processing. - Opening and exiting the word processor. - Creating a document Edit, save and print a document in word processor 1. Editing text 2. Wrapping and aligning the text 3. Font size, type and face. 4. Header and Footer 5. Auto correct 6. Numbering and bullet 7. Creating table	Content Distribution - Worksheets - Writing Notes Review Tests Chp 4 FUNDAMENTALS OF MARKETING MIX Marketing Mix - Introduction - Characteristics	Students will be able to: ● Identifying features of positioning ● Elucidate the positioning process ● Describe the bases for positioning ● Create a document on word processor ● Edit, save and print a document in word processor ● Understand concept and characteristics of marketing mix. ● Understand concept and characteristics of marketing mix. ●

				8. Find and replace 9. Page numbering. 10. Printing document. 11. Saving a document in various formats.		
ENGINEERING GRAPHICS	Unit 5: Sectional Projection of Regular Solids Introduction : Sectional Projection of vertical solids	Sectional Projection of horizontal solids. Sectional projections of horizontal solids with axis at right angles to V.P.	Sectional projections of horizontal solids with axis parallel to V.P.	Sectional projection of solids inclined to V.P.	Sectional projection of solids inclined to H.P.	Students will be familiarised with the topic sections of solids,and they will understand different types of sectional views of 3 D models.
PSYCHOLOGY	1.Sensory, Attentional and Perceptual Processes ● Perception of Space,	1. Learning ● Nature of learning ● Classical Conditioning	1. Learning ● Observational Learning ● Cognitive Learning ● Verbal Learning	1. Learning ● Factors Facilitating Learning	1. Human Memory ● Introduction ● Nature of Memory ● Information Processing	Describe the nature of learning Explain different forms or types of learning and the procedures used in such types of learning

	Depth and Distance ● Perceptual Constancies ● Illusions ● Socio-Cultural influences on perception	● Operant/Instrumental Conditioning	● Skill Learning	● Learning Disabilities 2. Revision	Approach: The Stage Model ● Memory Systems: Sensory, Short-term and Long term Memories ● Levels of Processing	Understand various psychological processes that occur during learning and influence its courses Explain the determinants of learning Familiarise yourself with some applications of learning principles.
PHYSICAL EDUCATION	**Physical Fitness, Health and Wellness ●** Meaning and Importance of Wellness, Health and Physical Fitness	● Components/Dimensions of Wellness, Health and Physical Fitness ● Traditional Sports & Regional Games for promoting wellness	**Test, Measurement & Evaluation ●** Concept of Test, Measurement & Evaluation in Physical Education & sports.	● Classification of Tests in Physical Education and Sports.	● Test administration guidelines in physical education and sports	*describe concept of a healthy life style explain wellness and its importance and define the components of wellness. classify Physical Fitness and recognise its importance in life. *After completing this chapter, you will be able to: define the terms test, measurement, and evaluation differentiate formative and summative evaluation

						discuss the importance of measurement and evaluation processes
SOCIOLOGY	**Western Sociologists continued:** Emile Durkheim Max Weber	**TB 1 (Chap 4):** Introduction to Culture & Socialisation Defining Culture Cognitive & Normative aspects of Culture	Culture & Identity, Cultural Change Meaning of	Socialisation & agencies of socialisation	TB 2 (Chap 5): Indian Sociologists Introduction G.S. Ghurye	Students are introduced to the concept of Culture and Socialisation They learn about the different aspects of culture, identity and understand how cultural change takes place Students first learn about the meaning of socialisation and also learn about the agencies that participate in the process of socialisation Students also familiarise themselves with the content for the emergence of Indian Sociology and also learn about Indian sociologists like G.S. Ghurye, D.P Mukherjee and A.R Desai and their contribution to the understanding of society in India

	Class: XI	Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - November 2022)				
SUBJECTS	**Week - 1**	**Week - 2**	**Week - 3**	**Week - 4**	**Week - 5**	**Learning Outcomes**
ENGLISH	**Hornbill**-Childhood (Poem)	**Hornbill-** The Adventure	**Hornbill-** The Adventure **Writing-** a Debate based on visual/verbal inputs in 120-150 words.	**Snapshots-** Mother's Day (Play)	**Snapshots-** Mother's Day (Play) **Grammar-** Questions on re-ordering/transformation of sentences	**Skim for main ideas and scan for details,select and extract relevant information** **Develop the ability to be original and creative in interpreting opinion, develop the ability to be logically persuasive in defending one's opinion**
MATHEMATICS		*Straight lines **Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point -slope form,**	Equation of a straight line - various forms and methods of finding the equations.	***Conics** Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines	Conics(Ellipse and hyperbola) contd.	

		slope-intercept form, two-point form, intercept form, Distance of a point from a lin		as a degenerate case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle		
Applied Mathematics	**CALCULUS** Functions Identify dependent and independent variables Define a function using dependent and independent variable	Define domain, range and co-domain of a given function Define various types of functions Identify domain, co-domain and range of the function Representation of function graphically	Concepts of limits and continuity of a function Solve problems based on the algebra of limits Define instantaneous rate of change Differentiation as a process of finding derivative Derivatives of algebraic functions using Chain Rule	**COORDINATE GEOMETRY** Find the slope and equation of line in various form Find angle between the two lines Find the distance between two parallel lines Find different form of equations of a circle Solve problems based on applications of circle	Define parabola and related terms Define eccentricity of a parabola Derive the equation of parabola	Domain as a set of all values of independent variable Co-domain as a set of all values of dependent variable Range of a function as set of all possible resulting values of dependent variable Types of functions with definitions and characteristics Graph of some functions Left hand limit, Right hand limit, Limit of a

						function, Continuity of a function Derivatives of functions (non- trigonometric only) Equation of line: Application of the straight line in demand curve related to economics problems Equation of a circle Equation of a parabola in standard form
PHYSICS	**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,, Bernoulli's theorem and its applications. Surface energy and surface tension, angle of	**ER 11 -** **MAL RTIES OF ER** perature, thermal n. expansion of solids, d gases, anomalous n of water. heat capacity; Cp, Cv - ry; change of state - t capacity. Heat	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	BEHAVIOUR OF PERFECT GASES AND KINETIC THEORY OF GASES 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	Learners will be able to understand Practicality of Fluid dynamics in real life Learners will be able to understand Concept of surface Tension and Surface energy and will be able to relate it with a daily life. Learners will be able to understand the Different methods of heat transfer, Concept of thermal

		contact, excess of pressure across a curved surface, Applications of surface tension ideas to drops, bubbles and capillary rise. Exercise and worksheet	onduction, convection tion, thermal ity. e ideas of Blackbody Wein's displacement an's law. and worksheet	matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.. Exercise and worksheet	equi-partition of energy (statement only) Application to specific heat capacities of gases; concept of mean free path, Avogadro's number. Exercise and worksheet	expansion and Laws of cooling. Learners will be able to understand the Concept of Heat, work and Internal energy of the system. Learners will be able to understand the Principle of Heat Engine and Refrigerator. Learners will be able to understand the Pressure exerted by a gas on the walls of the container. Learners will be able to understand the Concept and relation between different specific heat capacities.
CHEMISTRY	**Organic Chemistry -Some Basic Principles and Technique** General introduction,	Electronic displacements in a covalent bond inductive effect,	Resonance and hyperconjugation Homolytic and heterolytic fission of a covalent	**Hydrocarbons** **Alkanes-** Nomenclature,	***Alkynes*** – Nomenclature, Structure of triple bond, Preparation, Chemical reactions:	

	Structural representation of organic compounds Classification and IUPAC nomenclature of organic compounds	electromeric effect Homolytic and heterolytic fission of a covalent bond Free radicals, carbocations, carbanions, electrophiles and nucleophiles,	bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.	physical and chemical properties ***Alkenes*** - Nomenclature, structure of double bond (ethene), geometrical isomerism Physical properties, methods of preparation	***Aromatic Hydrocarbons***: IUPAC nomenclature, Resonance, Aromaticity, Chemical properties Carcinogenicity and toxicity	
BIOLOGY	**Plant growth and regulators** - Phases of growth, growth models, PGRs	**Plant growth and regulators –** Photoperiodism, Vernalisation **Breathing and exchange of gases** - Structure of respiratory system, transport of gases	**Breathing and exchange of gases** - Transport of gases, regulation, diseases	**Body fluids and circulation** - Structure of heart, blood groups, cardiac cycle, ECG, diseases	**Excretory products and their elimination –** Structure of kidney, process of urine formation, regulation of kidney functions, diseases	Students are able to analyse the phases of growth and roles of PGRs. Explain the structure of human respiratory system, circulatory system and excretory system

						Describe the roles of respiratory, circulatory and excretory system
INFORMATICS PRACTICES	dictionary methods and built-in functions len(), dict(), keys(), values(), items(), get(), update(), clear(), del() Programs with Dictionary.	Database Concepts: Introduction to database concepts and its need, Database Management System Relational data model: concept of attribute, domain, tuple, relation, candidate key, primary key, alternate key, foreign key	Introduction to Structured Query Language Data Definition Language, Data Query Language and Data Manipulation Language Introduction to MySQL Creating a database, using database, showing tables using MySQL, Data Types : char, varchar, int, float, date	Data Definition Commands Data Query Commands CREATE TABLE, INSERT INTO, SELECT-FROM-WHERE, LIKE, BETWEEN, IN SELECT statement using relational and logical operations , Null values, distinct etc	Select statements with all clauses like In, not in, like, not like, distinct SELECT statement using all clauses	Students will understand the concept of dictionary and different built- in functions. Students will be introduced to the concept of database . students will understand how to use DDL and DML statements.
COMPUTER SCIENCE	● Tupless: introduction, indexing	● Traversing a Tuple using loops, built-in	Dictionary: introduction,	Adding a new item, modifying	Revision on Strings, Lists, Tuples and Dictionary	Students will understand how to implement Tuples and Dictionary data

	• Tuple operations (concatenation, repetition, membership & slicing)	functions used with Tuples.	accessing items in a dictionary using keys, mutability of dictionary	an existing item, traversing a dictionary, built-in functions used in Dictiionary		structure in python program.
ACCOUNTANCY	Provisions and Reserves Depreciation: Meaning, Features, Need, Causes, factors Other similar terms: Depletion and Amortisation Methods of Depreciation: i. Straight Line Method (SLM) ii. Written Down Value Method (WDV)	Method of recording depreciation i. Charging to asset account ii. Creating provision for depreciation/accumulated depreciation account	Comprehensive sums related to preparation of Asset A/c and Provision for Depreciation A/c will be done in SLM and WDV method	Comprehensive sums related to preparation of Asset A/c and Provision for Depreciation A/c will be done in SLM and WDV method (Contd.,)	Provisions, Reserves:Difference Between Provisions and Reserves. Types of Reserves: i. Revenue reserve ii. Capital reserve iii. General reserve iv. Specific reserve v. Secret Reserve Difference between capital and revenue reserve. Trial balance and Rectification of Errors Trial balance: Objectives, meaning and preparation	Understand the accounting treatment of providing depreciation directly to the concerned asset account or by creating provision for depreciation account. 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. State the need and objectives of preparing trial balance and develop the skill of preparing trial balance

BUSINESS STUDIES	Chapter 8 : Small Business and Enterprises Entrepreneurship Development (ED): Concept, Characteristics and Need. Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship Understand the concept of Entrepreneurship Development (ED), Intellectual Property Rights Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act) Understand the meaning of small	Discuss the role of small business in India Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas	Appreciate the various Government schemes and agencies for development of small scale industries. NSIC and DIC with special reference to rural, backward area Class Tests Notes Completion Worksheets	Chapter 9 : Internal trade - meaning and types of services rendered by a wholesaler and a retailer State the meaning and types of internal trade. Appreciate the services of wholesalers and retailers. Types of retail-trade-Itinerant and small scale fixed shops retailers Explain the different types of retail trade.	Large scale retailers-	Students will be able to understand the concept of Entrepreneurship Development (ED), Intellectual Property Rights, Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act). Understand the meaning of small business Role of small business in India with special reference to rural areas, National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) Chapter 9 : Students will be able to understand the concept of internal trade, its meaning and types of services.Different types of trade.Large scale retailers,departmental stores,concept of GST.

	business Role of small business in India with special reference to rural areas					
ECONOMICS	Producer Behaviour and Supply (Contd) : Revenue - total, average and marginal revenue - meaning and their relationship. Producer's equilibrium-meaning and its conditions in terms of marginal revenue and marginal cost.	Producer Behaviour and Supply (Contd) : Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.	Correlation - meaning and properties, scatter diagram;	Measures of correlation - Karl Pears(two variables ungrouped data)	Measures of correlation - Spearman's rank correlation.	The students will know the relationship between inputs and output. Then they will look at the cost structure of the firm. They will be able to identify the output at which firms profits are maximum. The students will understand the meaning of the term correlation; the nature of relationship between two variables; • calculate the different measures of correlation; and analyse the degree

						and direction of the relationships.
ENTREPRENEURSHIP	Market Research	Marketing Mix - Benefits - Variables - Factors affecting Marketing mix	Content Distribution - Writing Notes - Worksheets Review tests	Chp 6 Business Finance and Arithmetic Unit of Sale, Unit Price and Unit Cost - for single product or service	Types of Costs - Start up, Variable and Fixed	Students will be able to: ● Understand the strategy of market expansion and development. ● Understand the elements of trade and commerce ● Explain the concept of marketing mix and the four P_s of marketing.
MARKETING	- Features of Marketing mix - Developing Marketing Mix - Importance of Marketing Mix Content Distribution	Writing Notes Worksheets Review Tests	Employability Skills Unit IV ENTREPRENEURIAL SKILLS- III - Introduction to Entrepreneurship - Values of an Entrepreneur	- Enjoying freedom of expression and action - Looking for economic Opportunitie - Believing that we	Content Distribution - Writing Notes - Worksheets Review Tests	Students will be able to: ● Identify the features of marketing mix ● Steps in developing marketing ● Significance of marketing mix ● Describe the significance of entrepreneurial

	- Writing Notes		- Attitude of an Entrepreneur - Using imagination/ Intuition Tendency to take moderate risk -	can change the Environment - Analyzing situation and planning action Involving in activity		● Demonstrate the knowledge of attitudinal changes required to become an entrepreneur
ENGINEERING GRAPHICS	Revision and discussion of worksheet questions from sections of solids	Unit 5: Orthographic projection of simple machine blocks. Introduction: Construction of front view, top view & side view with different machine blocks Construction of machine block 1	Machine block 6 Machine block 7 Machine block 8 Machine block 9 Machine block 10	Machine block 11 Machine block 12 Machine block 13 Machine block 14	Machine block 15 Machine block 16 Machine block 17 Machine block 18 Machine block 19 Machine block 20	Students will able to identify different views of an machine drawing especially front view side and top views.

		Machine block 2 Machine block 3 Machine block 4 Machine block 5				
PSYCHOLOGY	1. Project Presentation & Viva	1. Project Presentation & Viva	1. Project Presentation & Viva	1. Human Memory ● Types of Long-term Memory ● Nature and Causes of Forgetting	1. Human Memory ● Enhancing Memory 2. Revision	Understand the nature of memory Distinguish between different types of memory Explain how the contents of long term memory are represented and organised Appreciate the constructive and reconstructive processes of memory Understand the nature and causes of forgetting Learn the strategies for improving memory

PHYSICAL EDUCATION	**Fundamentals of Anatomy, Physiology in Sports ●** Definition and Importance of Anatomy and Physiology in exercise and sports ● Functions of Skeletal system, classification of bone and types of joints.	●Functions of Skeletal system, classification of bone and types of joints.	● Function and Structure of Circulatory system and heart. ● Function and Structure of Respiratory system.	**Fundamentals of Kinesiology and Biomechanics in Sports** ●Definition and Importance of Kinesiology and Biomechanics in sports	●Principles of Biomechanics ●Types of Body Movements ● Axis and Planes	identify the importance of anatomy, physiology and kinesiology. recognize the main functions of the skeleton. understand the functions of bones and identify various types of joints. understand the anatomy of the respiratory system and describe its working. identify and analyse the layout and functions of the Circulatory System.
SOCIOLOGY	TB 2 (Chap 5): Indian Sociologists continued D.P Mukherjee	A.R Desai	Revision on topics submission of first draft of project Discussion on research methods	**TB 2 (Chap 2): Introduction to Social change and social order in Rural and Urban society** Domination Authority & Law	**TB 2 (Chap 2): Social change & social order in rural urban societies continued** concept of social change environment technology & environment	**TB 2 (Chap 5):** Students will learn about Indian sociologists like G.S. Ghurye, D.P Mukherjee and A.R Desai and their contribution to the understanding of society in India **TB 2 (Chap 2): S**tudents will learn about meaning of social change and related concepts like domination, authority & law They will delve into a deeper understanding of social change in the

						context of the environment, culture, politics and technology Students will be familiarised with the nature of social order in relation to urban and rural areas

Indian School Wadi Kabir

Class: XI

ISWK SHARING KNOWLEDGE

(Monthly Plan - December 2022)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	**Hornbill-**The Voice of the Rain (Poem) Silk Road (Prose)	**Hornbill-** Silk Road (Prose) **Grammar-** Questions on Gap filling (Tenses, Clauses)	**Snapshots-** The Tale of Melon City	HOLIDAYS	HOLIDAYS	**Use grammatical structures accurately and appropriately** **Understand and appreciate the oral, mobile and visual elements of drama** **Identify the elements of style such as humour, pathos, satire and irony, etc.**
MATHEMATICS	**Revision**	Assessment II	Assessment II	WINTER VACATION	WINTER VACATION	
APPLIED MATHEMATICS	**Revision**	Assessment II	Assessment II	WINTER VACATION	WINTER VACATION	

PHYSICS	REVISION	ASSESSMENT II	ASSESSMENT II	WINTER VACATION	WINTER VACATION	
CHEMISTRY	Assessment 2	Assessment 2	Assessment 2	WINTER VACATION	WINTER VACATION	
BIOLOGY	Assessment 2	Assessment 2	Assessment 2	Winter break	Winter break	
INFORMATICS PRACTICES	Revision on python and SQL	ASSESSMENT 2	Assessment 2	Winter Break	Winter break	Students will revise python programming and sql.
COMPUTER SCIENCE	Assessment 2	Assessment 2	Assessment 2	Winter Break	Winter Break	
ACCOUNTANCY	Revision Assessment 2	Assessment 2	Assessment 2	Winter Break	Winter Break	Appreciate that errors may be committed during the process of accounting. understand the meaning of different types of errors and their effect on trial balance
BUSINESS STUDIES	REVISION	ASSESSMENT II	ASSESSMENT II	WINTER BREAK	WINTER BREAK	

ECONOMICS	Revision and Assessment2	ASSESSMENT II	ASSESSMENT II	WINTER BREAK	WINTER BREAK	The students will be familiar with steps in designing a project; and apply various statistical tools in analysing a problem.
ENTREPRENEURSHIP	Assessment 2	Assessment 2	Assessment 2	Winter break	Winter break	
MARKETING	Assessment 2	Assessment 2	Assessment 2	Winter break	Winter break	
ENGINEERING GRAPHICS	Assessment 2	Assessment 2	Assessment 2	Winter break	Winter break	
PSYCHOLOGY	Assessment 2	Assessment 2	Assessment 2	Winter Break	Winter break	
PHYSICAL EDUCATION	REVISION	ASSESSMENT 2	ASSESSMENT 2	Winter break	Winter break	
SOCIOLOGY	REVISION	Assessment 2	Assessment 2	Winter Break	Winter Break	

Indian School Wadi Kabir

Class: XI

ISWK SHARING KNOWLEDGE

(Monthly Plan - January 2023)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH		Hornbill- Father to Son (poem)	Snapshots- Birth (Prose)	**Reading comprehension-** Note Making and Summarization	**Grammar-** Questions on re-ordering/transformation of sentences	**Produce unified paragraphs with adequate details and support** **Use grammatical structures accurately and appropriately** **Develop ability and acquire knowledge required in order to engage in independent reflection and enquiry**

						Read and comprehend extended texts
MATHEMATICS		***Introduction to Three-dimensional Geometry** : Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points	Three dimensional Geometry: Practice problems ***Limits and Derivatives:** **Limits of rational and trigonometric functions**	Derivatives: Product rule and quotient rule	***Probability** Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability	Understands limits of algebraic and trigonometric functions. Differentiate functions using appropriate methods. Understand probability theory and its importance
APPLIED MATHEMATICS		**Interest and Interest Rates Solve Practical applications of interest rate** **Calculate Simple Interest and Compound Interest** **Explain the meaning, nature and concept of equivalency** **Analyze various examples for understanding annual equivalency rate**	Define with examples the concept of effective rate of interest Present value, net present value and future value	Annuities, Calculating value of Regular Annuity Annuity due and Deferred Annuity Calculate General Annuity Calculate the future value of regular annuity, annuity due Apply the concept of Annuity in real life situation	Tax, calculation of tax, simple applications of tax calculation in Goods and service tax, Income Tax Bills, tariff rates, fixed charge, surcharge, service charge Describe the meaning of bills and its various types Analyze the meaning and rules determining tariff rates Explain the concept of fixed charge	Compound interest rates applications on various financial products Concept of Equivalency Annual Equivalency Rate Use of PVAF, FVAF tables for practical purposes Solve problems based on Application of net present value Examples of regular annuity:Mortgage Payment, Car Loan Payments, Leases, Rent Payment, Insurance payouts etc Computation

						of income tax.Formula for GST
PHYSICS	WINTER VACATION	**CHAPTER 14 -** **OSCILLATIONS** Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their application.	Simple harmonic motion (S.H.M) and its equation; phase; oscillations of a spring-restoring force and force constant; energy in S.H.M. Kinetic and potential energies; Simple pendulum derivation of expression for its time period. Exercise and worksheet	**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. Exercise and worksheet	Learners will be able to understand the basic concept of generation of waves along with its Classification and Mathematical analysis and SHM. 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 Concept of Resonance, free oscillations and forced oscillations Learners will be able to understand the Mathematical analysis of waves along its basic parameters. Learners will be able to understand the concept of reflection of waves

						along with the concept of harmonics.
CHEMISTRY	Winter break	**Unit 8 -** **Chemical Thermodynamics** Thermodynamic terms First law of thermodynamics -internal energy and enthalpy, Heat capacity and specific heat Measurement of ΔU and ΔH Hess's law, Enthalpy of reactions	UNIT TEST Second law of Thermodynamics, Gibb's energy change for spontaneous and non-spontaneous processes, Criteria for equilibrium Third law of thermodynamic	**Unit 9 -Equilibrium** Dynamic equilibrium, Law of mass action, Equilibrium constant, Factors affecting equilibrium Ionization of acids and bases		
BIOLOGY	Winter break	**Movements and locomotion** – Muscles, structure and action of skeletal muscles, bones and joints	**Neural control** - Structure of CNS, transmission of impulses UNIT TEST	**Neural control** - diseases	**Chemical control** – Endocrine system and glands	Students are able to explain the process of muscle action, describe the nature of bones and joints Describe the functions of neural and hormonal system

						Explain the symptoms of different diseases
INFORMATICS PRACTICES	Winter break	Data Manipulation Command INSERT, UPDATE, DELETE. more on select statement	Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR),	Concept of big data and its management Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities	Cloud computing and its uses: Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology	Students will be able to update and delete records in a table in MYSQL. Students will understand the concept of iOTs, big data, cloud computing , block chain.
COMPUTER SCIENCE	**Winter Break**	Introduction to Python modules: Importing module using 'import ' and using from statement, Importing math module (pi, e,sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics	Digital Footprints ● Digital society and Netizen: net etiquettes, communication etiquettes, social media etiquettes	Data protection: Intellectual Property Right (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement,	Cyber-crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber crime ● Cyber safety: safely browsing the web, identity protection,	● Students will learn about the different python libraries and their functionality. ● Students will learn how to behave while working online in the web. ● Students will understand how to safely browse the internet and the ways to manage possible network threats they may experience while browning online.

		module (mean, median, mode)		trademark infringement), open source softwares and licensing (Creative Commons, GPL and Apache)	confidentiality, cyber trolls and bullying. ● Safely accessing web sites: malware, viruses, trojans, adware ● E-waste management: proper disposal of used electronic gadgets ● Indian Information Technology Act (IT Act) ● Technology & Society: Gender and disability issues while teaching and using computers	

ACCOUNTANCY	Rectification of Errors: classification -errors of omission, commission, principles, and compensating; their effect on Trial Balance Detection and rectification of errors; (i) Errors which do not affect trial balance (ii) Errors which affect trial balance preparation of suspense account.	Financial Statements: Meaning, objectives and importance; Revenue and Capital Receipts; Revenue and Capital Expenditure; Deferred Revenue expenditure. Opening journal entry. Trading and Profit and Loss Account: Gross Profit, Operating profit and Net profit - Preparation. Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation.	Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, Abnormal loss, Goods taken for personal use/staff welfare, interest on capital and managers commission.	Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments.	Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments (contd.,)	Appreciate that errors may be committed during the process of accounting. Understand the meaning of different types of errors and their effect on trial balance. Develop the skill of identification and location of errors and their rectification and preparation of suspense account. State the meaning of gross profit, operating profit and net profit and develop the skill of preparing trading and profit and loss account. explain the need for preparing balance sheet Develop the understanding and skill to do adjustments for items and their presentation in financial statements like depreciation, closing stock, provisions,

						abnormal loss etc. develop the skill of preparation of trading and profit and loss account and balance sheet with adjustments.
BUSINESS STUDIES	Winter Break	Departmental stores, chain stores - concept Highlight the distinctive features of departmental stores, chain stores and mail order business. GST (Goods and Services Tax Concept and key-features Understand the concept of GST.	Chapter 10- International trade: concept and benefits Understand the concept of international trade. Describe the scope of international trade to the nation and business firms. Export trade – Meaning and procedure State the meaning and objectives of export trade. Explain the important steps involved in executing export trade. Import Trade - Meaning and procedure State the meaning and objectives of import trade. Discuss the important steps	Develop an understanding of the various documents used in international trade. Identify the specimen of the various documents used in international trade. Highlight the importance of the documents needed in connection with international trade transactions World Trade Organisation (WTO) meaning and objectives.	State the meaning of the World Trade Organisation. Discuss the objectives of the World Trade Organisation in promoting international trade.	Students will be able to understand the concept of department stores,chain stores and mail order,GST. Students will be able to understand the concept and benefits.Understand the concept of international trade.

			involved in executing import trade. Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP)			
ECONOMICS	Introduction to Index Numbers - meaning, types - wholesale price index, consumer price index and index of industrial production, uses of index numbers; Inflation and index numbers.	Forms of Market and Price Determination under Perfect Competition with simple applications: Perfect competition - Features;	Forms of Market and Price Determination under Perfect Competition with simple applications (Contd) : : Determination of market equilibrium and effects of shifts in demand and supply.	Forms of Market and Price Determination under Perfect Competition with simple applications (Contd) : : Price ceiling,	Forms of Market and Price Determination under Perfect Competition with simple applications (Contd) : : Price Flooring	The students will understand the meaning of the term index number and become familiar with the use of some widely used index numbers; and calculate an index number; They will appreciate its limitations. The students will combine both consumers' and firms' behaviour to study market equilibrium through demand-supply analysis and determine at what

						price equilibrium will be attained. They will also examine the effects of demand and supply shifts on equilibrium. At the end they will look at some of the applications of demand-supply analysis: Price ceiling and price flooring.
ENTREPRENEURSHIP	Types of Costs - Start up, Variable and Fixed Break Even Analysis - for single product or service - Calculations Break Even Analysis - for single	Content Distribution - Worksheets - Writing Notes Review Test	Chp 7 Resource Mobilization Types of Resources – Physical, Human, Financial and Intangible. Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members, etc.	Selection and utilization of human resources and professionals Content Distribution	Content Distribution - Worksheets - Writing Notes Review tests	Students will be able to: ● Discuss - 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 service

	product or service					
MARKETING	Writing Notes for Unit 4 Employability Skills CONSUMER BEHAVIOUR meaning and definition of Consumer Behaviour Constituents and Types of Consumer Behaviour	Factors affecting Consumer Behaviour Roles of Buying Behaviour Stages of Buying Behaviour	Content Distribution - Writing Notes - Worksheets Review Tests Employability Skills Unit V Green Skills Sectors of Green Economy - Main sectors of green economy- E waste management, green transportation, renewal energy, green construction, water Management -	- Policy initiatives for greening economy in India - Stakeholders in green Economy. - Role of government and private agencies in greening cities, buildings, tourism, industry, transport, renewable energy, waste management, agriculture, water, forests	Content Distribution - Worksheets - Writing Notes Review Tests	● Distinguish between Consumer behaviour; Consumption Behaviour and Buyer Behaviour ● Recognize the importance of Consumer behaviour ● Understand the factors affecting Consumer Buying Behaviour ● Know the different roles of consumer ● Comprehend the various stages of consumer buying proces

				and fisheries		
ENGINEERING GRAPHICS	Winter break	Unit 6:Isometric Projections Introduction: Construction of Isometric Scale. Isometric projection of square Isometric projection of triangle Isometric projection of rectangle	Isometric projection of Pentagon Isometric projection of hexagon In both conditions – perpendicular to HP and parallel to VP UNIT TEST	Isometric projection of circle using four centre methods in HP and VP.	Revision for final exam	Sudents will learn a new topic - Isometric projection and also learn to draw different isometric projections of 2 dimensional laminaes
PSYCHOLOGY	Winter break	1. Thinking ● Introduction ● Nature of Thinking	1. Thinking ● Reasoning ● Decision-making	1. Thinking ● Thought and Language	1. Thinking 2. Revision	Describe the nature of thinking and reasoning Demonstrate an understanding of some

		● The Processes of Thinking ● Problem Solving	● Nature and Process of Creative Thinking	● Development of Language and Language Use		cognitive processes involved in problem solving and decision making Understand the nature and process of creative thinking and learning ways of enhancing it Understand the relationship between language and thought Describe the process of language development and its use.
PHYSICAL EDUCATION	Winter break	**Psychology & Sports** ● Definition & Importance of Psychology in Physical Education & Sports	● Adolescent Problems & Their Management ● Team Cohesion and Sports	**Training and Doping in Sports** ● Concept and Principles of Sports Training ● Training Load: Over Load, Adaptation, and Recovery	● Concept of Doping and **its disadv**antages	identify the role of Psychology in Physical Education and sports determine the issues related to adolescent behaviour At the end of this unit you will be able to: Identify the need of training in sports Recount principles of sports training Identify doping and types of doping
SOCIOLOGY	Winter Break	Continuation of TB 2 (Chap 2): Politics	Continuation of TB 2 (Chap 2):	**REVISION**	REVISION	Students will explore the meaning of social order and see how it is contested in society.

		culture Concept of Social order Contestation, crime & violence	Social order and change in village, town & city Social order and social change in rural & Urban areas	**PROJECT SUBMISSION & PRESENTATION**		They will also understand crime and violence in relation to this Finally students will also understand the difference in social order and social change with regard to rural and urban areas. Students submit their projects on which they've been working in depth and prepare for a presentation and viva on the same

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Class: XI

ISWK SHARING KNOWLEDGE

(Monthly Plan - February 2023)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	Revision	Revision	FINAL EXAM STARTS ON 12TH FEB	FINAL EXAM	FINAL EXAM	
MATHEMATICS	**Probability:** Practice problems	Revision	**FINAL EXAMS**	**FINAL EXAMS**	**FINAL EXAMS**	
APPLIED MATHEMATICS	Calculation and interpretation of bill	Revision	**FINAL EXAMS**	**FINAL EXAMS**	**FINAL EXAMS**	

PHYSICS	**REVISIO N**	**REVISION**	**FINAL EXAMS**	**FINAL EXAMS**	**FINAL EXAMS**	
CHEMISTRY	Acid strength Concept of pH	Solubility product Revision SYLLABUS COMPLETION BY 7TH FEB	FINAL EXAM	FINAL EXAM	FINAL EXAM	
BIOLOGY	Revision	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	
INFORMATICS PRACTICES	Revision	Revision				
COMPUTER SCIENCE	**Revision**	**Revision**	**Final Assessment**	**Final Assessment**	**Final Assessment**	
ACCOUNTANCY	Revision	Revision	Assessment III	Assessment III	Assessment III	
BUSINESS STUDIES	Revision	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	
ECONOMICS	Revision	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	

ENTREPRENEURSHIP	Revision	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	
MARKETING	Revision	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	
ENGINEERING GRAPHICS	REVISION	REVISION	FINAL EXAM STARTS ON 12TH FEB	FINAL EXAM	FINAL EXAM	
PSYCHOLOGY	Revision	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	
PHYSICAL EDUCATION	Revision	Revision	FINAL EXAM	FINAL EXAM	FINAL EXAM	
SOCIOLOGY	REVISION	REVISION	FINAL EXAM	FINAL EXAM	FINAL EXAM	