



# Indian School Wadi Kabir

Class: XII

ISWK SHARING KNOWLEDGE

(Monthly Plan - April 2021)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH		MY MOTHER AT SIXTY –SIX (POEM)  THE LAST LESSON	THE LAST LESSON-CNTD  THE THIRD LEVEL  CLASSIFIED ADVERTISEMENTS	DEEP WATER :  LETTER TO EDITOR ; READING COMPREHENSION	LIT.C.C.: AN ELEMENTARY SCHOOL CLASS ROOM IN A SLUM	* TO ANALYSE POEMS CRITICALLY AND UNDERSTAND VARIOUS LITERARY TECHNIQUES USED BY THE POET. *TO ANSWER QUESTIONS BASED ON GLOBAL AND LOCAL COMPREHENSION *ABLE TO WRITE BUSINESS LETTERS AND VARIOUS TYPES OF CLASSIFIEDS IN REAL LIFE SITUATIONS *ABLE TO WRITE DETAILED ANSWERS AND EXTRAPOLATE
MATHEMATICS (SCIENCE)		<u>Relations and Functions</u> Composition of functions Binary operation Miscellaneous	<u>Inverse Trigonometric Functions</u> Properties of sin inverse, cos inverse, tan inverse etc functions. Expansion of $\tan \text{ inv. } x \pm \tan \text{ inv. } y$	<u>Inverse Trigonometric Functions</u> Properties of Inverse Trigonometric functions Miscellaneous	<u>Continuity and Differentiability</u> Concept-continuity and differentiability Exponential, logarithmic,	Define all inverse trigonometric functions using a unit circle. State the domain and range of inverse trigonometric functions State the principal value branch of inverse trigonometric functions

					parametric fun.	and neighbouring branches. To know the graphs of six inverse trigonometric functions. To use the trigonometric properties to solve trigonometric equations and to prove trigonometric identities
MATHEMATICS (COMMERCE)		<b><u>Algebra:</u></b> Multiplication of matrices, word problems, properties	<u>Algebra</u>  Determinants, properties  Inverse of a matrix <b>Matrices- Activity</b>	Solving linear equations, Cramer's rule.  <b>Application of matrices and determinants including Leontief input-output model.</b>	<b><u>Application of derivatives:</u></b>  Derivatives, Second derivatives. increasing decreasing functions	Find determinant of a square matrix Use elementary properties of determinants. Define the inverse of a square matrix Explain elementary row operations and use to it find the inverse of a matrix Apply properties of inverse of matrices Formulate real life problems into a system of simultaneous linear equations and solve it using these methods

<p><b>PHYSICS</b></p>		<p>CHAPTER-1 Electric Charges and fields; Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).</p>	<p>CHAPTER-2 – Electrostatic potential and capacitance.</p> <p>Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor.</p>	<p>Dielectrics and electric polarization. capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor.</p>	<p>CHAPTER-3- Current Electricity</p> <p>Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, electrical resistance, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity. Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors; temperature dependence of resistance.</p>	<p>Understanding : various terms formulae numerical related derivations Applying on the worksheets textbooks based board based</p>
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<b>CHEMISTRY</b>		chemical properties, optical rotation mechanism of substitution reactions. Haloarenes: Nature of C–X bond, substitution reactions Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration.	Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.	Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses.  Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and	Chemical properties of Aldehydes and ketones	Understanding the properties preparation nomenclature Applying on organic naming , mechanisms conversions worksheets textbook questions board based questions
<b>BIOLOGY</b>		Post fertilization: -structure and events Human reproduction- Reproductive organs	Human reproduction- gametogenesis, menstrual cycle, Fertilisation and implantation	Human reproduction- embryo development and parturition Reproductive health – Contraceptive methods, ARTs	Principles of inheritance and variations – Mendelian experiments, Deviations from Mendelian experiments	Understanding the - structures and functions Applying on the worksheets, textbook based, board based questions
<b>ENGINEERING GRAPHICS</b>		Isometric projection of pyramids.		Isometric Projection of Combination of solids.	Introduction to unit 2 :  Machine Drawing	Understanding on the various isometric projections Applying on the numerical related to the concepts.

		Isometric projection of inverted pyramids.	Introduction to isometric projection of combination of solids.		<p>Threads and its definitions</p> <p>Types of screw threads:</p> <p>BSW thread Metric Internal Metric external Square thread Knuckle thread</p>	
<b>INFORMATICS PRACTICES</b>	mathematical operations	<p>mathematical operations – head() and tail() functions</p> <p>-selection</p>	Indexing and slicing a series	Data frames – creation from dictionary of series, list of dictionaries	<p>Text/CSV files – display – iterations – operations on rows and columns</p>	<p>Understanding the concept of the data structure named series.</p> <p>Will learn to create series from different other data structures like list, dictionary etc.</p> <p>Will be able to do various manipulation on series.</p>

						<p>Understand the concept of the data structure - dataframe.</p> <p>Creation of dataframes from various sources.</p>
<b>COMPUTER SCIENCE</b>	<p>Functions - Introduction</p>	<p>Functions – Scope, parameter passing, mutable/immutable properties of data objects, passing strings</p>	<p>Functions – passing lists, tuples, dictionaries – default parameters, positional parameters</p>	<p>return values – functions using libraries – mathematical and string functions</p>	<p>File handling – need for a data file, Types of file : Text files, Binary files and CSV files</p>	<p>Understand the concept of functions</p> <p>different scope of variables and parameters</p> <p>will learn to pass dictionary, tuple, list etc.. to a function and use it .</p> <p>learn the concept of data files.</p>

ACCOUNTANCY		<p><b>Not For Profit Organisation:</b></p> <p>Comprehensive sums in NPO</p> <p><b>Accounting for Partnership Firm Fundamentals:</b> features, partnership deed</p> <p>Fixed v/s fluctuating capital account,</p> <p>Interest on Capital, Drawings, Commission.</p>	<p>Past adjustments and guarantee of profits</p> <p>Comprehensive sums of fundamentals</p> <p><b>Goodwill:</b> Nature, factors affecting goodwill, methods of valuation- average profit.</p>	<p>Goodwill valuation: Super profit and capitalization method.</p> <p><b>Change in PSR:</b> Cal. Of NR, SR, GR</p> <p>Treatment of Reserves &amp; Goodwill.Preparation of revaluation account and balance sheet.</p>	Comprehensive sums relating to change in PSR	<p>The meaning of receipts and payment account, and understanding its features.</p> <p>Develop the understanding and skill of preparing receipts and payment account. state the meaning of income and expenditure account and understand its features.</p> <p>Develop the understanding and skill of preparing income and expenditure account and balance sheet of a not-for-profit organisation with the help of given receipts and payments account and additional information.</p> <p>The meaning of partnership, partnership firm and partnership deed. describe the characteristic features of partnership and the contents of partnership deed.</p>
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						<p>The significance of provision of Partnership Act in the absence of partnership deed.</p> <p>differentiate between fixed and fluctuating capital, outline the process and develop the understanding and skill of preparation of Profit and Loss Appropriation Account.</p> <p>Guarantee of profits. develop the understanding and skill of making past adjustments.</p> <p>Factors affecting goodwill develop the understanding and skill of valuation of goodwill using different methods.</p> <p>The meaning of sacrificing ratio, gaining ratio and the change in profit sharing ratio among existing partners. Develop the understanding of accounting treatment of revaluation assets and reassessment of</p>
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						liabilities and treatment of reserves and accumulated profits by preparing revaluation account and balance sheet.
<b>BUSINESS STUDIES</b>		<p><b>Principles of management</b> – concept and significance.</p> <p>Taylor’s scientific management – principles and techniques.</p> <p>Fayol’s principles of management.</p>	<p><b>Business Environment</b> – concept and importance</p> <p>Dimensions of business environment – Economics, social and technological, political and legal.</p> <p>Demonetization – concept and features.</p> <p>Impact of government policy changes on business with special reference to liberalisation, privatization and</p>	<p><b>Planning:</b></p> <p>Concept, importance and limitations.</p> <p>Planning process.</p> <p>Single use and standing plans, objectives, strategy, policy, procedure, methods, rule, budget and programme.</p>	<p><b>Organising:</b></p> <p>Concept and importance</p> <p>Organizing process</p> <p>Structure of organisation functions and divisional concept, Formal and informal organisation.</p> <p>Delegation: Concept, elements and importance</p>	<p>Explain the significance of management principles.</p> <p>Discuss the principles of management developed by Fayol and Taylor</p> <p>Describe the importance of Business Environment</p> <p>Describe the various dimensions of ‘Business Environment’.</p> <p>Understand the concept of Demonetization</p> <p>Examine the impact of government policy changes on business in India</p> <p>Discuss the managerial response to changes in business environment</p> <p>Understand the importance &amp; limitations of planning.</p> <p>Describe objectives, policies, strategy, procedure, method, rule,</p>

			globalisation in India.		Decentralisation : characteristics and importance	<p>budget and programme as types of plans</p> <p>Describe functional and divisional structures of organisation.</p> <p>Explain the advantages, disadvantages and suitability of functional and divisional structure.</p> <p>Understand the concept of formal and informal organisation. Discuss the advantages and disadvantages of formal and informal organisation</p> <p>Describe the elements of delegation.</p> <p>Appreciate the importance of delegation and decentralisation and Differentiate b/w them.</p>
<b>ECONOMICS</b>		<p><b>Indian economy on the eve of independence:</b></p> <p>Features, Agricultural sector, Industrial sector, Foreign rule,</p>	<p>Demographic profile, Occupational structure,</p> <p>Infrastructure</p> <p><b>Indian economy (1950-1990)</b></p>	<p>Development in Agriculture, Industry &amp; Trade.</p> <p><b>Introduction to Macroeconomics and National income and</b></p>	<p>Intermediate goods, stocks and flows.</p> <p>Circular flow of income.</p>	<p>Understands the state of India at the eve of independence in all the three sectors . Explain the the positive contribution of colonial rule in India. Explain the goals of Indian planning. Explain the types of economic systems.</p>

			Types of economic systems,  Planning-Goals	<b>Related Aggregates</b>  Basic concepts-consumption goods, capital goods, final goods	Methods of calculating National income.  Value added method.	Distinguishes between final and intermediate goods. Explain the circular flow of income. Differences between capital goods and consumption goods. Explain the precautions taken while calculating the Value added method.
<b>ENTREPRENEURSHIP</b>		<b>Unit 1: Entrepreneurial Opportunity.</b>  Idea fields Spotting Trends	Creativity and Innovation Selecting the Right Opportunity	<b>Unit 2: Entrepreneurial Planning</b>  Forms of business organization- Sole proprietorship, Partnership, Company.	Business Plan: concept, format.	Identify the different idea fields. Understand the concept of opportunity assessment Appreciate the ways in which trends can be spotted Understand the process of creativity and innovation Transform ideas into business opportunities. Understand the meaning and characteristics of Sole Proprietorship, Partnership and Company.
<b>MARKETING</b>		<b>UNIT I: PRODUCT</b>	Understand Product Mix, Product line Enumerate different stages of		<b>UNIT II: PRICE</b>	Explain the importance of packaging and the functions of packaging. Comprehend the

		<p>Discussion of the consumer goods, their types and features.</p> <p>-Comprehension of types of industrial goods and their features.</p>	<p>the product life cycle.</p> <p>A. IntroductionStage</p> <p>B. Growth Stage</p> <p>C. Maturity Stage</p> <p>D. Decline Stage</p> <p>- Discussion of the packaging concept and its role in marketing.</p>	<p>- Comprehension of importance and functions of Packing.</p> <p>- Understand the essential qualities of good packaging and its types</p> <p>- Discussion of concept of Labelling.</p>	<p><b>DECISION</b></p> <p>Importance of pricing to a firm</p>	<p>important features of good packaging and the types of packaging.</p> <p>Detail the concept of labeling in the current context.</p> <p>Introduction of four P's of marketing mix with special importance of Price.</p> <p>Discussion of how Price is crucial for a firm.</p>
<b>PSYCHOLOGY</b>		<p>Unit 4- Psychological Disorders</p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Concept of Abnormality</li> <li>• Approaches of Abnormality.</li> <li>• Historical Background</li> <li>• Factors Affecting Abnormal Behaviour</li> </ul>	<p>Unit 4: Psychological Disorders</p> <ul style="list-style-type: none"> <li>• Anxiety Disorders</li> <li>• Somatoform Disorders</li> <li>• Dissociative Disorders</li> <li>• Mood Disorders</li> </ul>	<p>Unit 4- Psychological Disorders</p> <ul style="list-style-type: none"> <li>• Mood Disorders</li> <li>• Schizophrenic Disorders</li> </ul>	<p>Unit 4- Psychological Disorders</p> <ul style="list-style-type: none"> <li>• Behavioural and Developmental Disorders</li> <li>• Substance-use Disorders</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the basic issues in abnormal behaviour and the criteria used to identify such behaviors</li> <li>• Appreciate the factors which cause abnormal behaviour</li> <li>• Explain the different models of abnormal behaviour</li> <li>• Describe the major psychological disorders</li> </ul>

<b>PHYSICAL EDUCATION</b>		<b>Planning in Sports</b>  Meaning & Objectives Of Planning, Various Committees & its Responsibilities	<b>Planning in Sports</b>  Tournament – Knock-Out, League Or Round Robin & Combination, Procedure To Draw Fixtures – Knock-Out (Bye & Seeding) & League (Staircase & Cyclic)Intramural & Extramural – Meaning, Objectives & Its Significance Specific Sports Programme	<b>Sports &amp; Nutrition</b>  Balanced Diet & Nutrition: Macro & Micro Nutrients, Nutritive & Non-Nutritive Components Of Diet	<b>Sports &amp; Nutrition</b>  Eating For Weight Control – A Healthy Weight, The Pitfalls of Dieting, Food Intolerance & Food Myths	Describe the concept of planning in sports Classify the committees and its responsibilities in sports event differentiate the different type of tournament prepare fixtures of knock out and league distinguish between intramural and extramural design sports program in their school  understand the concept of balanced diet and nutrition classify Nutritive and Non-Nutritive components of Diet identify the ways to maintain healthy weight know about foods commonly causing food

						intolerance recognize the pitfalls of dieting and food myths
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# Indian School Wadi Kabir

Class: XII

ISWK SHARING KNOWLEDGE

(Monthly Plan - May 2021)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	<p>THE RATTRAP</p> <p>NOTICE – LOST AND FOUND</p>	<p>THE RATTRAP CNTD.</p> <p>ARTICLE WRITING</p> <p>COMPREHENSION</p> <p>PRACTICE FOR ASL</p>	<p>KEEPING QUIET ( POEM)</p> <p>CLASSIFIED ADVERTISEMENTS</p>	<p>THE ENEMY COMPREHENSION</p>	<p>THE ENEMY</p> <p>LETTER TO EDITOR</p>	<p>*ABLE TO ANALYSE POEMS CRITICALLY</p> <p>*TO ANSWER QUESTIONS BASED ON GLOBAL AND LOCAL COMPREHENSION</p> <p>*ABLE TO WRITE BUSINESS LETTERS AND VARIOUS TYPES OF CLASSIFIEDS</p> <p>*ABLE TO WRITE DETAILED ANSWERS AND EXTRAPOLATE</p> <p>*ABLE TO WRITE ARTICLES IN THE APPROPRIATE LAYOUT</p> <p>ABLE TO ANSWER MCQ TYPEQUESTIONS</p>
MATHEMATICS (SCIENCE)	<p><u>Continuity and Differentiability</u></p> <p>Second order derivatives.</p> <p>MVT &amp; Rolls Therom</p>	<p><u>Integrals</u></p> <p>Inverse process of differentiation</p> <p>Substitution mtd</p> <p>Using T- identities</p>	<p><u>Integrals</u></p> <p>Integrals by partial fraction, particular function, by parts...</p> <p>Definite integrals</p>	<p><u>Definite Integrals</u></p> <p>Definite integrals, Limit as a sum, fundamental theorem of calculus</p>	<p><u>Definite Integrals</u></p> <p>substitution method</p> <p>Some properties of definite integrals</p>	<p>Understand the meaning of differentiability of a function.</p> <p>To determine the relation between continuity and differentiability.</p>

						<p><b>To find the derivatives of different types of function.</b></p> <p><b>To determine the rate of change, equation of tangent, normals equation.</b></p> <p><b>To identify the fundamental integration formulas .</b></p> <p><b>To understand integration as inverse process of differentiation.</b></p> <p><b>To find the integral of a function using different techniques like integration by partial fraction, integration by parts etc</b></p>
<b>MATHEMATICS (COMMERCE)</b>	<p><b><u>Application of derivatives:</u></b></p> <p><b>Maxima/minima</b></p> <p><b>Marginal cost and marginal revenue</b></p>	<p><b>Application of derivatives : word problems: Rate of change, tangents, normals</b></p>	<p><b><u>Integration.</u></b></p> <p>Integration as antiderivatives.</p> <p>Integration by substitution</p>	<p><b><u>Integration:</u></b></p> <p><b>Integration by parts, definite integrals</b></p>	<p><b><u>Application of integration</u></b></p>	<p>Determine second and higher order derivatives</p> <p>Understand differentiation of parametric functions and implicit functions.</p> <p>Determine the rate of change, equation of tangent, normals equation, marginal cost.</p>

			Practise problems			Find local minima, maxima and solve applied problems. Understand integrals and various methods, area under the curve and definite integral. Apply definite integral to find consumer surplus-producer surplus.
<b>PHYSICS</b>	. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel. Kirchhoff's laws and simple applications. Wheatstone bridge, meter bridge, Potentiometer - principle and its applications to measure potential difference and for comparing emf of two cells; measurement of internal resistance of a cell.	CHAPTER 4 – Moving charges and magnetism  Concept of magnetic field, Oersted's experiment. Biot -Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight and toroidal solenoids(qualitative treatment only). Force on a moving charge in uniform magnetic and electric fields. Cyclotron.	moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter. CHAPTER-5- Magnetism and matter  Current loop as a magnetic dipole and its magnetic dipole moment Magnetic dipole moment of a revolving electron. magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its	Bar magnet as an equivalent solenoid, magnetic field lines. Earth's magnetic field and magnetic elements. Para-, dia- and ferro - magnetic substances, with examples. Electromagnets and factors affecting their strengths, permanent magnets.	CHAPTER6  Lenz's Law, Eddy currents. Self and mutual induction.	Understanding the concepts, formulae, derivations related Applying on the numerical related to the concepts and board based questions.

		Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors- definition of ampere. Torque experienced by a current loop in uniform magnetic field.	axis, torque on a magnetic dipole (bar magnet) in a uniform magnetic field;	CHAPTER-6- Electromagnetic Induction  Electromagnetic induction; Faraday's laws, induced EMF and current.		
<b>CHEMISTRY</b>	Mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses	Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.	Amines: Nomenclature, classification, structure, methods of preparation,	physical and chemical properties, uses	identification of primary, secondary and tertiary amines.	Understanding the mechanisms, naming, physical and chemical properties, applying on the organic chemistry problems
<b>BIOLOGY</b>	Principles of inheritance and variations – Sex determination	Principles of inheritance and variations – Genetic disorders  Molecular basis of inheritance – Structure of DNA	Molecular basis of inheritance – Packaging of DNA, Experiments	Molecular basis of inheritance – DNA replication	Molecular basis of inheritance –Transcription, Genetic code	Understanding the principles, variations, structures, experiments, DNA replications and applying on the questions related.
<b>ENGINEERING GRAPHICS</b>	Types of bolts :  Hexagonal headed bolt  Square headed bolt	Types of washer  Combination of nut bolt and washer	Unit test begins on 16 <sup>th</sup> May	Types of Rivets :  Pan head rivet  Flat head rivet	Introduction to unit 3 : Bearings  Definition of bearings	Understanding the various types of bolts, types of washer, rivets and bearing Applying on the worksheets, and board based questions.

	<p>Types of nuts :</p> <p>Hexagonal nut</p> <p>Square nut</p>	<p>Assembling two parts together.</p> <p>Single riveted lap joint</p> <p>Conventional representation of threads.</p>	<p>Free hand sketches</p> <p>Studs:</p> <p>Plain stud</p> <p>Stud with square neck</p> <p>Collar stud</p>	<p>CSK head rivet</p> <p>.</p>	<p>Types of bearings</p> <p>Uses of bearings</p> <p>Introduction to Assembly Drawings.</p>	
<p><b>INFORMATICS PRACTICES</b></p>	<p><b>Add, select, delete, rename operations – head() and tail() functions</b></p>	<p>Indexing using labels – Boolean indexing</p>	<p>Joining, merging and concatenation of Data Frames</p>	<p>Importing / Exporting data between CSV files and Data Frames</p>	<p>Introduction to Informatics Practices Project</p>	<p>will learn different manipulation on dataframes</p> <p>Will understand the operations like additions, subtraction, deletion on dataframes.</p> <p>understand the concept of boolean indexing , merging, concatenation of data frames.</p> <p>understand how to create a csv file using dataframe. importing from and exporting to a csv file</p>

COMPUTER SCIENCE	<p><b><i>Text File: Basic operations on a text file: Open</i></b></p> <p><b><i>Close a text file, Reading and Manipulation</i></b></p> <p><b><i>of data from a text file - Appending data into a text file, standard input /</i></b></p> <p><b><i>output and error streams, relative and absolute paths.</i></b></p>	<p>Binary File: Basic operations on a binary file: Open</p> <p>/ Close a binary file, Pickle Module –</p> <p>methods load and dump; Read, Write/Create, Search, Append and</p> <p>Update operations in a binary file.</p>	<p>CSV File: Import csv module, functions – Open / Close a csv file,</p> <p>Read from a csv file and Write into a csv file using csv.reader() and csv.writerow( ).</p>	Using Python libraries: create and import Python libraries.	Introduction to Computer Science Project	<p>Understanding the basic operations on text files and binary files.</p> <p>different operations on binary files.</p> <p>learning to import from and export to csv files.</p> <p>different operations on csv files.</p>
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ACCOUNTANCY	<p><b>Admission of a partner:</b> Calculation of NR, SR.</p> <p>Treatment of Goodwill and Reserves.</p> <p>Revaluation A/c</p>	<p>Partners Capital A/c and Balance sheet.</p> <p>Adjustments of Capital Accounts.</p> <p>Comprehensive problems</p>	<p>Admission: Comprehensive problems</p> <p><b>Retirement of a Partner:</b> Meaning.</p> <p>Calculation of NR and GR</p> <p>Accounting treatment of reserves.</p>	<p>Preparation of Partners Capital A/c, Balance Sheet.</p> <p>Passing journal entries.</p>	<p>Retirement: Comprehensive sums</p>	<p>The effect of change in profit sharing ratio on admission of a new partner.</p> <p>Develop the understanding and skill of treatment of goodwill, treatment of revaluation of assets and re-assessment of liabilities, treatment of reserves and accumulated profits, adjustment of capital accounts and preparation of balance sheet of the new firm.</p> <p>The effect of retirement of a partner on change in profit sharing ratio.</p> <p>Develop the understanding of accounting treatment of goodwill, revaluation of assets and re-assessment of liabilities and adjustment of accumulated profits and reserves on</p>
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						retirement of a partner and capital adjustment.
<b>BUSINESS STUDIES</b>	<b>Staffing:</b>  Concept and importance of staffing  Staffing as a part of HRM concept.  Staffing process  Recruitment	Selection- process  Training and development – concept and importance, methods of training, vestibule training, apprenticeship training and internship training.  <b>Directing:</b> Concept and importance	Elements of directing  Motivation - concept, Maslow’s hierarchy of needs, financial and non – financial incentives	Leadership concept – style, authoritative, democratic and laissez faire.  Communication – concept, formal and informal communication, barriers to effective communication, how to overcome the barriers.	<b>Controlling</b>  Controlling – concept and importance	Explain the importance of staffing Understand the specialized duties and activities performed by Human Resource Management. Describe the steps in the process of staffing Explain the merits and demerits of internal and external sources of recruitment. Describe the steps involved in the process of selection. Appreciate the importance of training to the organisation and to the employees. Discuss the meaning of training and its types. Differentiate between training and development. Discuss on the job and off the job methods of training. Discuss the importance of directing

						<p>Develop an understanding of Maslow's Hierarchy of needs.</p> <p>Discuss the various financial and non-financial incentives.</p> <p>Discuss the various styles of leadership.</p> <p>Understand the elements of the communication process.</p> <p>Discuss the concept of formal and informal communication</p> <p>Discuss the various barriers to effective communication and Suggest measures to overcome barriers to communication.</p> <p>Explain the importance of controlling</p>
<b>ECONOMICS</b>	<p>N.I (Conti....)</p> <p>Income method-numericals, precautions</p> <p>Expenditure method-numericals, precautions</p>	<p>GNP, NNP, GDP n NDP at FC n MP.</p> <p>GDP and Welfare</p> <p><b>Economic Reforms since-1991</b></p>	<p>Liberalisation – Meaning, Objective</p> <p>Globalisation-</p> <p>Meaning, Objectives,</p> <p>Outsourcing, WTO</p>	<p>Privatisation-Meaning, Objectives</p> <p>An appraisal of LPG Policies.</p>	<p><b>Poverty-</b></p> <p>Introduction, Types</p>	<p>Explain the measures taken while estimating Income method.</p> <p>Explain the components of the Income method.</p> <p>State the precautions while estimating Expenditure method.</p>

		Need for economic reforms, its features				<p>What are the limitations of using GDP as a means of welfare.</p> <p>Explain the need of economic reforms</p> <p>Explain Globalisation, Privatisation, Liberalisation and its objectives.</p> <p>Define outsourcing.</p> <p>Define poverty and explain the types of poverty.</p>
<b>ENTREPRENEURSHIP</b>	<p>Components:</p> <p>Organisational plan;</p> <p>Operational plan:</p> <p>Element of operational plan</p> <p>Production plan</p>	<p>Financial plan:</p> <p>Component of Financial Plan</p>	<p>Marketing plan;</p> <p>Human Resource planning</p>	<p><b>Unit 3:</b></p> <p><b>Enterprise Marketing</b></p> <p>Marketing and Sales strategy.</p> <p>Branding - Business Name, logo, tagline</p> <p>Promotion strategy</p>	<p>Promotion strategy</p>	<p>Appreciate the concept and importance of a Business Plan.</p> <p>Describe the various components of Business plan.</p> <p>Differentiate among the various components of Business plan.</p> <p>Develop a Business Plan.</p> <p>Various marketing strategies used in a business.</p> <p>Appreciate the elements of Marketing Mix.</p> <p>Understand the concept of Branding, Packaging and Labeling.</p>

						<p>Various factors affecting the channels of distribution.</p> <p>Understand the concept and types of sales strategy.</p> <p>Different tools of promotion.</p> <p>Appreciate the objectives and different modes of Advertising.</p> <p>Understand the rules of effective advertisement.</p> <p>Understand the concept of personal selling and sales promotion.</p> <p>Various techniques of sales promotion.</p>
<b>MARKETING</b>	<ul style="list-style-type: none"> <li>- Importance of pricing to a consumer</li> <li>- Discussion of various internal factors affecting product pricing</li> </ul>		Explain the basis of different pricing methods	<p><b>UNIT TITLE</b></p> <p><b>III: Place &amp; Distribution</b></p> <p>-Understanding the role of place as a part of marketing mix</p>	Functions performed by channels of distribution	<p>Discussion of how Price is crucial for a firm as well as for consumers</p> <p>Enumerate internal factors affecting product pricing and their significance</p>

		<p>Discussion of various external factors affecting product pricing</p> <ul style="list-style-type: none"> <li>- Enumerate different types of pricing <ul style="list-style-type: none"> <li>A. Demand-oriented pricing</li> <li>B. Cost-oriented pricing</li> <li>C. Competition oriented pricing</li> <li>D. Value-based Pricing</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>- Detailed definition of place</li> <li>Participants of distribution System</li> </ul>		<p>Explicate various external factors affecting product Pricing</p> <p>Discussion of how internal and external factors influence product or service pricing</p> <p>Differentiate and assess the basis of different types of pricing in market</p> <p>Classify different pricing methods. Adjudge the rationale behind different types of pricing</p> <p>The learner would be able to understand Nature and importance of distribution</p>
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						<p>channel for Place</p> <p>Acquaint students with the concept of Place and its acronyms. The need for a middleman</p> <p>The learner should be able to Understand the role of Manufacturers, Intermediaries, Facilitating agencies, and Consumers</p> <p>The learner should be able to understand Functions performed by channels of distribution</p>
<b>PSYCHOLOGY</b>	<p>Chapter 3: Meeting Life Challenges</p> <p>Introduction</p> <p>Nature, Types and</p>	<p>Chapter 3: Meeting Life Challenges</p> <p>Effects of Stress on Psychological Functioning and Health</p> <p>a. Stress and Health</p> <p>b. General Adaptation</p>	<p>Chapter 3: Meeting Life Challenges</p> <p>Promoting Positive Health and Well-being</p> <p>1. Stress Resistant</p>	<p>Chapter 6: Attitude and Social Cognition</p> <p>1.Introduction</p> <p>2.Nature and Components of</p>	<p>Chapter 6: Attitude and Social Cognition</p> <p>Attitude Formation and Attitude Change</p>	<p>Understand the nature, types and sources of stress as life challenges, examine the effects of stress on psychological functioning, learn ways to cope with stress, know about the life skills that help people to stay healthy, and understand the factors that promote positive health and well-being</p>

	Sources of Stress	Syndrome c. Stress and Immune System d. Lifestyle	Personality 2. Life Skills 3. Positive Attitude	Attitudes	<p>a) The concept of balance proposed by Fritz Heider</p> <p>(b) The concept of cognitive dissonance was proposed by Leon Festinger</p> <p>(c) The two-step concept was proposed by S.M. Mohsin</p> <p>Attitude-Behavior Relationship</p>	
<b>PHYSICAL EDUCATION</b>	<b>Yoga &amp; Lifestyle</b> Asanas as preventive measures, Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardha Matsyendrasana *Diabetes: Procedure, Benefits & contraindications for	<b>Yoga &amp; Lifestyle</b> Asthma: Procedure, Benefits & contraindications for Sukhasana, Chakrasana, Gomukhasana, Parvatasana, Bhujangasana, Paschimottasana, Matsyasana * Hypertension:	<b>Yoga &amp; Lifestyle</b> Back Pain: Tadasana, Ardha Matsyendrasana, Vakrasana, Shalabhasana, Bhujangasana	<b>Physical Education &amp; Sports for CWSN</b>  Concept of Disability & Disorder, Types of Disability, its	<b>Physical Education &amp; Sports for CWSN</b>  Types of Disorder, its cause & nature (ADHD, SPD,	identify the asanas beneficial for different types of ailments and health problems. • recognizing the importance of various asanas for preventive measures of obesity, diabetes, asthma, hypertension, back pain. • describe the procedure for performing a variety of asanas for maximal benefits. • distinguish the

	Bhujangasana, Paschimottasana, Pavan Muktasana, Ardh Matsyendrasana	Tadasana, Vajrasana, Pavan Muktasana, Ardha Chakrasana, Bhujangasana, Sharasana		causes & nature (cognitive disability, intellectual disability, physical disability)	ASD, ODD, OCD)	contraindications associated with performing different asanas. • outline the role of yogic management for various health benefits and preventive measures.
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# Indian School Wadi Kabir

Class: XII

ISWK SHARING KNOWLEDGE

(Monthly Plan - June 2021)

SUBJECTS	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5	Learning Outcomes
ENGLISH	FORMAL INVITATION	INFORMAL INVITATION COMPREHENSION  PRACTICE FOR ASL				*ABLE TO WRITE BOTH FORMAL AND INFORMAL INVITATIONS IN AN APPROPRIATE FORMAT *STUDENTS WILL BE ABLE TO REPLY TO FORMAL / INFORMAL INVITATIONS *ABLE TO ATTEMPT READING PASSAGES WITH CONFIDENCE
MATHEMATICS (SCIENCE)	<u>Matrices</u> Types of Matrices Operation on Matrices Transpose of a matrix	<u>Matrices</u> Symmetric and skew symmetric concept Elementary Operations Invertible matrices				To define matrices Determine the order of a matrix. Identify types of matrices  Understand the properties of mathematical calculations related to matrices.  To verify the properties of transpose.  To identify symmetric and skew-symmetric matrices and their properties.

<b>MATHEMATICS (COMMERCE)</b>	<b>Differential equations, order and degree  Forming differential equation</b>	<b>Solving linear D E.  → Word problems</b>				Recognize a differential equation and find the order and degree of a differential equation. Formulate differential equation Verify the solution of differential equation Solve simple differential equation
<b>PHYSICS</b>	CHAPTER-7- Alternating Currents  Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; er.LC oscillations (qualitative treatment only), LCR series circuit, resonance; power in AC circuits, power factor, wattless current. AC generator and transformer.	CHAPTER 8- Electromagnetic waves Basic idea of displacement current, Electromagnetic waves and their characteristics (qualitative ideas only). Transverse nature of electromagnetic waves (qualitative ideas only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-RAYS including elementary facts about their uses	SUMMER BREAK	SUMMER BREAK	SUMMER BREAK	Understanding the AC and DC, LCR, types of waves, formulae, derivations, and applying on the various numerical related to the topics mentioned

<b>CHEMISTRY</b>	Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration	Proteins -Elementary idea of amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins. Nucleic Acids: DNA and RNA.	Summer break	Summer break	Summer break	Understanding the types of carbohydrates, proteins, etc Applying on the various questions on worksheets and concept based.
<b>BIOLOGY</b>	Molecular basis of inheritance – Translation	Molecular basis of inheritance - HGP, DNA fingerprinting	Summer break	Summer break	Summer break	Understanding the topics and applying on the questions related to HGP, DNA fingerprinting
<b>ENGINEERING GRAPHICS</b>	<p>Bushed bearing :</p> <p>Assembling of bushed bearing with all detailing.</p> <p>Bushed bearing disassembly:</p> <p>Disassemble all the parts from the given assembly drawing.</p>	<p>. Open bearing :</p> <p>Assembling of open bearing</p> <p>Disassembling of open bearing.</p> <p>Unit test ends on 6<sup>th</sup> June</p>	Summer break	Summer break	Summer break	Understanding the various bushed bearing, open bearing etc Applying on the various numerical related to the concept .

		Summer break starts on 10 <sup>th</sup> June				
<b>INFORMATICS PRACTICES</b>	<b>Classes used in Python-MySQL connectivity, connect(), cursor(), executequery(), executeupdate(), rowcount variable</b>	Demo with sample project and Explanation of Project documentation	Summer Break	Summer Break	Summer Break	<p>understanding to connect mysql with python .</p> <p>learning to do different operations like addition , deletion, updation and searching in the database through python program.</p> <p>live demonstration on projects.</p>
<b>COMPUTER SCIENCE</b>	<i>Classes used in Python-MySQL connectivity, connect(), cursor(), executequery(), executeupdate(), rowcount variable</i>	Demo with sample project and Explanation of Project documentation	Summer break	Summer break	Summer break	<p>understanding to connect mysql with python .</p> <p>learning to do different operations like addition , deletion, updation and searching in the database through python program.</p> <p>live demonstration on projects.</p>
<b>ACCOUNTANCY</b>	<b>Death of a partner:</b> Treatment of IOC,IOD, Goodwill,	Preparation of Deceased Partner's				Develop the skill of calculation of the deceased partner's share till the time of his death and prepare the deceased

	<p>profit, remuneration on death of a partner.</p> <p>Format of deceased partner's capital</p>	<p>Capital Account and Executors Account.</p> <p>Death of a partner (comprehensive sums)</p>				<p>partner's executor's account. Able to prepare the capital accounts of the remaining partners and the balance sheet of the firm after death of a partner.</p>
<b>BUSINESS STUDIES</b>	<p>Relationship between planning and controlling</p> <p>Steps in process of controlling</p>	<p><b>Financial Management</b></p> <p>Concept, role and objectives of Financial Management</p> <p>Project Discussion</p>				<p>Describe the relationship between planning and controlling</p> <p>Discuss the steps in the process of controlling. Understand the concept of financial management.</p> <p>Explain the role of financial management in an organisation.</p> <p>Discuss the objectives of financial management</p>
<b>ECONOMICS</b>	<p>Poverty (Conti...)</p> <p>Causes, Problems,</p> <p>Main Programmes for poverty alleviation</p>	<p><b>Rural development</b> - key issues credit and marketing – role of cooperatives</p> <p>Agricultural diversification;</p>				<p>Explain the problems and causes of Poverty. State the Poverty alleviation programmes initiated by the Government. Understands the Programme taken by the government to encourage agricultural diversification . Explain alternative farming.</p>

		alternative farming – organic farming – advantages and its disadvantages.				
<b>ENTREPRENEURSHIP</b>	Negotiation - Importance and methods	Customer Relations  vendor management				Understand the ways of negotiation in business. Understand the importance of Customer Relationship Management in business. Understand the concept and importance of vendor management in business
<b>MARKETING</b>	Describe: direct and indirect channels of distribution	Understanding of Distribution Channel Intermediaries  Understand the functions of two main Intermediaries i.e. wholesalers and retailers				Acquaint students with the direct and indirect channels of distribution  Identify the the functions performed by intermediaries
<b>PSYCHOLOGY</b>	Chapter 6: Attitude and Social Cognition  ● Meaning of Prejudice and Discrimination	Chapter 3, 4 and 6 - Revision				Understand what are attitudes, how they are formed and changed, analyse how people interpret and explain the behaviour of others, comprehend how the presence of others influences our behaviour, explain why people help or do not help others in distress, and understand the concept of pro-social

	<ul style="list-style-type: none"> <li>• Sources of Prejudice</li> <li>• Strategies for handling prejudice</li> </ul>					behaviour and factors affecting it
<b>PHYSICAL EDUCATION</b>	<b>Physical Education &amp; Sports for CWSN</b>  Disability Etiquettes, Strategies to make Physical Activities assessable for children with special need.	<b>Physical Education &amp; Sports for CWSN</b>  Advantage of Physical Activities for children with special needs	Summer break	Summer break	Summer break	describe the concept of Disability and Disorder. outline types of disability and describe its causes and nature. outline types of disorder and describe its causes and nature. explain various disability etiquettes list advantage of physical activities for children with special needs explain Strategies to make physical activities accessible for children with special needs