



Indian School Wadi Kabir

Class: XII

ISWK SHARING KNOWLEDGE
(Year Plan - April 2021 - February 2022)

SUBJECTS	APRIL 2021	MAY 2021	JUNE 2021	AUGUST 2021	SEPTEMBER 2021	OCTOBER 2021	NOVEMBER 2021	DECEMBER 2021	JANUARY 2022	FEBRUARY 2022
ENGLISH	LITERATURE: My Mother at 66 The Last lesson Lost Spring The Third Level Deep Water WRITING: Letter to the Editor, Classified Advertisements READING: Reading Comprehension	LITERATURE: An Elementary School Classroom in a Slum The Rattrap Keeping Quiet Tiger King The Enemy WRITING: Formal Letter Writing READING: Reading Comprehension	LITERATURE: Thing of Beauty WRITING: Informal & Formal Invitation READING: Reading Comprehension ASL	LITERATURE: Indigo Should Wizard Hit Mommy Poets & Pancakes WRITING: Speech and Debate READING: Reading Comprehension ASL	LITERATURE: On the Face of it The Interview WRITING: Report, Advertisements, Invitation READING: Reading Comprehension ASL	LITERATURE: Journey to the end of the Earth, Roadside Stand Evans Tries an O level, Aunt Jennifer's Tigers, Going Places WRITING: Letter to the Editor, Job Application, Report, Notice, Invitations READING: Reading Comprehension, Note Making ASL	LITERATURE: Memories of Childhood WRITING: Invitation, Letter to the Editor, Report, Advertisements, READING: Note Making Reading Comprehension ASL	Revision for Ist Prelim Examination	Revision for 2nd Prelim Examination	Revision for CBSE Board Examination

MATHEMATICS (SCIENCE)	Relations and Functions Inverse Trigonometric Functions	Continuity and Differentiability Integrals Definite Integrals Matrices and Determinants	Determinants	Application of Derivatives Application of Integrals	Application of Integrals Differential Equations	Vector Algebra Three-Dimensional Geometry Probability	Linear Programming			
MATHEMATICS (COMMERCE)	Algebra: Matrices Algebra: Matrices and Determinants Calculus: Derivatives	Calculus Application of derivatives Calculus: Integration Calculus: Application of integration	Calculus: Differential Equations	Numbers, Quantification and Numerical Applications Inferential Statistics Linear Programming	Index Numbers and Time-based data	Index Numbers and Numerical Applications Contd. Financial Mathematics	Financial Mathematics Probability			

PHYSICS	1.Electric charges and fields. 2. Electrostatic potential and capacitance. 3. Current Electricity.	4.Magnetic Effects of Current 5.Magnetism 6. Electromagnetic Induction.	7. Alternating currents.	8. Electromagnetic waves 9. Ray optics.	10. Wave optics	11.Dual Nature of Matter and Radiation 12.Atoms	13., Nuclei 14. Electronic devices.	Revision in view of upcoming 1st Preliminary Examination	Revision in view of 2nd Preliminary Examination	Revision in view of upcoming CBSE Board Examination
CHEMISTRY	Haloalkanes and Haloarenes Alcohols, Phenols and ethers	Aldehydes, Ketones and Carboxylic acids Amines	Biomolecules	The p Block elements d- Block elements	Coordination compounds Solid State	Solutions Electrochemistry Chemical Kinetics	Surface Chemistry	Revision in view of upcoming 1st Preliminary Examination	Revision in view of 2nd Preliminary Examination	Revision in view of upcoming CBSE Board Examination
BIOLOGY	Reproduction Genetics	Genetics	Genetics	Genetics Biotechnology	Biology in human welfare	Ecology	Reproduction in organisms Enhancement in food production	Revision in view of upcoming 1st Preliminary Examination	Revision in view of 2nd Preliminary Examination	Revision in view of upcoming CBSE Board Examination

ENGINEERING GRAPHICS	1.Isometric projection	2.Machine drawing	3.Bearings	4. Rod joints.	5.Tie rod and pipe joints	6.Shaft couplings	7.Pulleys	Revision fn view of the upcoming 1st prelim exam.	Revision fn view of the upcoming 2nd prelim exam.	Revision fn view of the upcoming CBSE board exam.
INFORMATICS PRACTICES	<p>mathematical operations</p> <p>mathematical operations – head() and tail() functions</p> <p>-selection</p> <p>Indexing and slicing a series</p> <p>Data frames – creation from dictionary of series, list of dictionaries</p> <p>Dataframes – display – slicing – operations on rows and columns</p>	<p>Add, select, delete, rename operations – head() and tail() functions</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>Classes used in Python-MySQL connectivity, connect(), cursor(), executequery(), executeupdate(), rowcount variable</p> <p>Demo with sample project and Explanation of Project documentation</p>	<p>Descriptive Statistics</p> <p>Data Frame operations , Handling missing values</p> <p>Different types of plots</p> <p>Plotting different types of graphs line plot, bar graph, histogram, pie chart, frequency polygon, box plot and scatter plot</p>	<p>MYSQL -</p> <p>Math functions</p> <p>Text functions</p> <p>Date Functions</p> <p>Querying and manipulating data</p>	<p>Network Topologies</p> <p>Introduction to Internet Website,</p> <p>Web Browsers</p> <p>Different rights</p> <p>Cyber crime and Cyber laws</p> <p>E-waste:</p>	<p>Revision on Data Handling using Pandas and Data Visualization</p> <p>Revision on Database Query using SQL</p> <p>Revision on Computer networks and Societal Impacts</p>			

		Introduction to Informatics Practices Project			Operations on Relations Introduction to networks , Network Devices					
COMPUTER SCIENCE	Functions - Arguments and Parameters - Scope of a Function - Python Libraries - File Handling - Introduction	File Handling - Text File, Binary File, CSV Files - Methods - Python Libraries - Data Structures - Linear Search	Stack and Queue Data Structures - Interface with Python	Evolution Of networking - Data communication terminologies - switching techniques - Wired and Wireless media	Querying and manipulating data	Database concepts - keys - SQL - Data types - constraints - DDL commands - Create / Alter / Drop / Desc / Use - DML commands - Insert - Delete - Update - Select - Select using	Revision - Computational Thinking and programming - Computer Networks - Database concepts			

						various clauses - SQL joins				
ACCOUNTANCY	Not for Profit Organisation. Fundamentals of Partnership Accounting Nature and Valuation of Goodwill Change in Profit sharing ratio	Admission of a Partner Retirement/ Death of a partner	Death of a Partner (contd)	Dissolution of Partnership Firm. Accounting for Share Capital.	Accounting for Share Capital.(contd.) Accounting for Debentures.	Accounting for Debentures. (contd.) Financial Statement and Analysis. Comparative & Common Size Statement. Ratio Analysis Cash Flow Statement	Cash Flow Statement (Contd.)			
BUSINESS STUDIES	Nature and Significance of Management	Principles of Management Business Environment Planning Organising	Organising (Contd.,) Staffing Directing	Controlling Financial Management	Financial Market	Financial Market (Cond.,) Marketing Consumer Protection	Consumer Protection (Contd.,) Revision			

ECONOMICS	<p>Indian economy on the eve of independence</p> <p>Indian economy (1950-1990)</p> <p>Introduction to Macro economics and National income and related Aggregates</p>	<p>Introduction to Macro economics and National income and related Aggregates</p> <p>Economic Reforms- 1991</p> <p>Poverty</p>	<p>Determination of Income and Employment.</p> <p>Government budget and the economy</p>	<p>Government Budget and the economy</p> <p>Human capital formation</p> <p>Balance of payment account</p>	<p>Infrastructure</p> <p>Sustainable economic Development</p> <p>Employment: Growth - Other issues</p>	<p>Employment : Growth - Other Issues</p> <p>Comparative Experiences of India and its Neighbours</p>	<p>Comparative Experience of India and its Neighbours</p> <p>Revision</p>			
ENTREPRENEURSHIP	<p>Unit 1: Entrepreneurial Opportunity</p> <p>Unit 2: Entrepreneurial Planning</p>	<p>Unit 2: Entrepreneurial Planning (Contd.)</p> <p>Unit 3: Enterprise Marketing</p>	<p>Unit 3: Enterprise Marketing (contd.)</p>	<p>Unit 4: Enterprise Growth Strategies</p> <p>Unit 5: Business Arithmetic</p>	<p>Unit 5: Business Arithmetic (contd.)</p>	<p>Unit 5: Business Arithmetic (contd.)</p> <p>Unit 6: Resource Mobilization</p>	<p>Unit 6: Resource Mobilization (contd.)</p>			

MARKE TING	UNIT I: PRODUCT UNIT II: PRICE DECISION	UNIT TITLE III: Place & Distribution		Unit IV Promotion Unit v Emerging trends in marketing	Unit 1: Communic ation Skills -REVISIO N	Unit 2: Self-management Skills -Unit 3: Information and Communication Technology Skills Unit 4: Entrepreneurship	Unit 5: Green Skills			
PHYSICA L EDUCATI ON	Planning in Sports Practical-Physical Fitness Test.	Yoga & Lifestyle . Physical Education & Sports for CWSN Practical-Physical Fitness Test.	Physical Education & Sports for CWSN Practical-Physical Fitness Test.	Children & Women in Sports. Test & Measurement in Sports Practical- Skill of chosen sports/Game.	Physiology & Injuries in Sports Practical- Skill of chosen sports/Gam e.	Biomechanics & Sports. Practical- Skill of chosen sports/Game.	Psychology & Sports. Training in Sports. Practical- Skill of chosen sports/Game .			