	Class: XI	Indian School Wadi Kabir ISWK SHARING KNOWLEDGE (Monthly Plan - August 2020)				
SUBJECTS	**Week - 1**	**Week - 2**	**Week - 3**	**Week - 4**	**Week - 5**	**Learning Outcomes**
ENGLISH	EID HOLIDAYS	PRESENTATION ON DISCOVERING TUT: THE SAGA CONTINUES	(POEM) THE LABURNUM TOP (PROSE) THE ADDRESS	(PROSE) THE ADDRESS , (contd.) NOTE MAKING	NOTE MAKING (Contd.) READING PASSAGE	● Able to understand the intonation, voice modulation and pronunciation and grasp the main storyline. ● Able to answer questions based on local and global comprehension ● Able to use the new words learned. ● Able to write about the value displayed in the story, ie, reconciling with past ● would be able to read the poem with proper tone and rhyme and develop an interest in poetry. ● The learners would be able to differentiate between annotation, outline notes, column notes, mind maps and summary notes from a text.

						• They would be able to use the note taking suggestions to develop good notes based on classroom discussion
MATHEMATICS	**EID HOLIDAYS**	**<u>Permutations and combinations</u>** Fundamental principle of counting. Factorial Notation (n!) Permutations. Derivation Of Formulae nPr.	**<u>Permutations and combinations</u>** Combinations Derivation of formulae nCr. Relation between nPr and nCr. Simple applications.	**<u>Trigonometry</u>** Degree and radian measures. Trigonometric functions	**<u>Trigonometry</u>** Trigonometric functions (cont.)	* Understands n! and P(n, r) and C(n, r) * Identifies permutations and combinations * Compute the number of ways of arrangement and number of ways of selections. * Selects appropriate methods * Verifies the answer *Apply the concepts of Permutations and Combinations to solve word problems. *Develops interest to learn more about permutations and combinations
PHYSICS	EID HOLIDAYS	Dynamics of uniform circular motion: Centripetal force,	**WORK, ENERGY AND POWER**	Notion of potential energy, potential energy of a spring, conservative forces. Power.	Elastic and inelastic collisions in one and two dimensions.	Students will be able to to understand the Notions of work and kinetic energy : to derive The work-energy theorem Work

		examples of circular motion (vehicle on a level circular road, vehicle on banked road). Exercise and Worksheet	Work done by a constant force and a variable force; kinetic energy, work-energy theorem.	Conservation of mechanical energy (kinetic and potential energies); non-conservative forces. Motion in a vertical circle;	Exercise and worksheet	to understand Kinetic energy to apply Work done by a variable force to derive The work-energy theorem for a variable force to apply The concept of potential energy to understand and apply The conservation of mechanical energy to apply The potential energy of a spring Various forms of energy : to understand the law of conservation of energy Power Collisions
CHEMISTRY	EID HOLIDAYS	Concept of orbitals, · quantum numbers, shapes of s, p and d orbitals	· Aufbau principle · Pauli's xclusion principle · Hund's rule	**<u>Classification of Elements and Periodicity in Properties</u>** · Brief history of sification of elements Modern periodic classification · Valency	· Ionic radii, Ionization enthalpy, ctron gain enthalpy, electronegativity. **<u>Chemical Bonding and Molecular structure</u>** · Kossel Lewis ory,Lewis structure	Students will be able to To understand and apply QN To understand the four rules of QN To learn the different elements and classification To understand the differences between all types of classification to apply all periodic trends in the application questions

				Nomenclature of elements with atomic nber greater than 100. Periodic trends in roperties of elements –atomic radii.	Dipole moment	To understand the terms like atomic radii , ionic radii, ionisation enthalpy and electron gain enthalpy To apply the kossel and lewis model in various atomic structure and molecular structures
BIOLOGY	EID HOLIDAYS	**lant kingdom – seminar** **imal kingdom - seminar**	**Biomolecules – Micro and macro olecules, Nucleic acids, enzymes**	**Cell cycle and Cell vision -** Phases of cell cycle, interphase,	**le and Cell division** Phases of cell cycle, interphase,	Students will be able to To understand What is a Cell? Cell Theory An Overview of Cell Prokaryotic Cells Eukaryotic Cells To apply the various concepts that All organisms are made of cells or aggregates of cells. Cells vary in their shape, size and activities/functions. Based on the presence or absence of a membrane bound nucleus and other organelles, cells and hence organisms can be named as eukaryotic or prokaryotic. A typical eukaryotic cell consists of a cell membrane, nucleus and cytoplasm.

						Plant cells have a cell wall outside the cell membrane. The plasma membrane is selectively permeable and facilitates transport of several molecules. The endomembrane system includes ER, golgi complex, lysosomes and vacuoles. All the cell organelles perform different but specific functions. Centrosome and centriole form the basal body of cilia and flagella that facilitate locomotion. In animal cells, centrioles also form spindle apparatus during cell division. Nucleus contains nucleoli and chromatin network. It not only controls the activities of organelles but also plays a major role in heredity
INFORMATICS PRACTICES		Introduction to iteration using for and while loop. Jump statement using break, continue and pass statement	Introduction to List, creation, declaration, traversing a list Aliasing and comparing lists.	Operation on lists concatenation, repetition, membership testing,	Indexing and slicing on list. Learning Built-in functions using list	● It enables the student to learn the strategy of repeating the task by implementing the concept of loop. ● It develops the skills of learning new function which can generate a sequence of values as per specific conditions.

						• Students will be able to store different types of data under one name .i.e List • They will learn different list operations like concatenation , membership , repetition, slicing etc. • Develop an understanding of different list functions like len,append,pop,extend,insert etc.
COMPUTER SCIENCE	Eid Holidays	Iterative computation in Python – Introduction – Types of Iterative constructs – range() function	for loop – program using for loop	While loop – programs using while loop	Types of sequences in Python Strings, Lists, Tuples and Dictionary - Strings Introduction	• Students will be able to understand the concept of looping(Iterative statements) • They will be understanding about how to use for loop and while loop • Introduction to different sequences will make them to know which one to use and when. • Importance of range() will make them to know about how and when to use it.
ACCOUNTANCY	Eid Holidays	**Journals** with GST	**Ledger**: Meaning, Uses.	**Ledger** sums- posting, balancing.	**Trial balance**.- Concept and preparation.	• Passing entries in journal. • Posting entries into ledger accounts • Balancing of accounts.

						• Prepare Trial balance.
BUSINESS STUDIES	Eid Holidays	**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	**Emerging modes of Business** **E - business**: concept, scope and benefits Distinguish e-business from traditional business	**Social Responsibility of Business and Business Ethics-** Concept of social responsibility Case for social responsibility Responsibility towards owners, investors, consumers, employees, government and community.	• Understand the meaning and types of business services • Develop an understanding of different types of bank accounts. • Develop an understanding of the different services provided by banks • Understand Utmost Good Faith, Insurable Interest, Indemnity, Contribution, Doctrine of Subrogation and Causa Proxima as principles of insurance • Discuss different types of insurance-life, health, fire, marine insurance • Give the meaning of e-business. • Discuss the scope of e-business. • Appreciate the benefits of e-business • Distinguish e-business from traditional business • State the concept of social responsibility. • Examine the case for social responsibility

						• Identify social responsibilities towards different interest groups.
ECONOMICS	Eid Holidays	Stats: Presentation of data: Textual, tabular, Bar diagrams, Pie Diagrams	Frequency diagrams: Histogram, Ogive, Frequency Polygon, Frequency curve, Timeline graphs	Measures of Central Tendency: Mean, Median	Measures of central tendency: Mode	Understands the importance of summarising a set of data into a single value. Recognizes and distinguishes between different types of averages Draws meaningful conclusions from a set of data. Develop an understanding of which type of average would be most useful in a particular situation
TREPRENEURSHIP	Eid Holidays	Entrepreneurship Motivation- Maslow's Need hierarchy, McClelland's Theory.	Maslow's Need hierarchy, McClelland's Theory. (cont.) Difference between Entrepreneur and employee.	Intrapreneur: Importance in any organization; Entrepreneur v/s Intrapreneur	**<u>UNIT 3. Entrepreneurship Journey.</u>** Ways to generate ideas. Business Ideas v/s Business Opportunities.	• Understand the motivation to become an entrepreneur. • Understand the difference between entrepreneur and employee based on motive, status, bearing risks. • Appreciate the difference between entrepreneur and intrapreneur. • Understand the way of idea generation. • Concept of idea and opportunity- difference and relation.

MARKETING	Eid Holidays	Describe the bases of Positioning worksheet	<u>Fundamentals of Marketing Mix</u> Introduction and Characteristics of Marketing Mix Features of Marketing mix	Developing Marketing Mix Importance of Marketing Mix	Activity 1(for the unit) Identify of 5 products to depict the concept of marketing mix by listing their products and prices.	Identifying Bases of Positioning Explain the meaning, characteristics and features of marketing mix. Understand the stages in developing marketing mix Learn the importance of marketing mix. Explain the meaning of certain keywords
ENGINEERING GRAPHICS	Eid Holidays	Submission and checking of holiday assignments. **Unit 4:Orthographic projections of regular solids.** Introduction: Explanation of	Projection of nts,lines and plane gures in 1st and 3rd angle method of projections. Introduction to orthographic jection of Regular solids.	Definitions Vertical prisms Vertical pyramids	Horizontal solids with axis at right angles to V.P. Horizontal solids with axis parallel to V.P.	To review the holiday assignments to know the four quadrants - projection of lines and plane figures, regular solids, vertical prisms, pyramids, To understand the difference in the drawing of the above mentioned lines and figures, regular solids, vertical prisms, pyramids, To apply the concept learnt in good drawing skills , to apply on drawing other objects, horizontal and vertical views of solids, lines, plane figures, vertical prisms, and vertical

		four quadrants Points Lines Views of an object. Orthographic projection Standard method of orthographic projection.				pyramids. can apply the concept in lab work too.
PSYCHOLOGY	Eid holidays	**Unit 4:** **Human Development** Old Age. Complete Revision, Question-Ans	**Unit 7:** **Human Memory** Introduction Nature of memory	**Unit 7:** **Human Memory** Levels of Processing Types of Long term Memory	**Unit 7:** **Human Memory** Nature and Causes of Forgetting. Forgetting due to trace decay, interference,	Students will be able to: · Understand the nature of memory · Distinguish between different types of memory · Explain how the contents of long-term are represented and organised

		wer discussion and test paper	Information Processing Approach: The Stage Model Memory Systems: Sensory, Short Term and Long Term Memory Chunking	Long term Memory classification Memory as a Constructive Process	forgetting due to retrieval failure	· Appreciate the constructive and reconstructive processes in memory · Understand the nature and causes of forgetting Learn the strategies for improving memory
PHYSICAL EDUCATION	Eid Holidays	**Unit V:YOGA** *Meaning & Importance of Yoga *Elements of Yoga	* Introduction - Asanas, Pranayam, Meditation & Yogic Kriyas	* Yoga for concentration & related Asanas	* Relaxation Techniques for improving concentration	*Learn the correct method of doing Yoga. *Know the various benefits of Yoga. *Use of yoga in daily life for healthy and long life, * advantages of yoga during the pandemic time.