INDIAN SCHOOL AL WADI AL KABIR

CLASS - XI
ACADEMIC PLAN FOR THE MONTH OF APRIL, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English			**The Portrait of a Lady** **A Photograph**	**NOTE MAKING** **ARTICLE WRITING**	**The Summer of the Beautiful White Horse**
Mathematics	-	-	**Sets** Introduction. Sets and representations, Sub sets, Power sets. Venn diagrams,	**Sets** Operations on sets. Practical problems based on operations on sets. **Relations and Functions** Cartesian product of sets. Relations, Domain and Range of relations	**Relations and Functions** Functions and graph of functions Domain and range of functions. Algebra of functions.
Physics			**CHAPTER 3- MOTION IN A STRAIGHT LINE:** Introduction Frame of reference, Motion in a straight line:	Position-time graph, speed and velocity. Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, average speed and instantaneous velocity. Uniformly accelerated motion, velocity - time and	Relations for uniformly accelerated motion (graphical treatment). Relative velocity. Numerical. Exercises and worksheet **CHAPTER 4- MOTION IN A PLANE**

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				position-time graphs.	Introduction. Motion in a plane. Scalar and vector quantities; Position and displacement vectors, general vectors and theirnotations.
Chemistry			**States of Matter: Gases and Liquids** • Three states of matter, Intermolecular interactions, Melting and boiling points,	• Gas Laws • Ideal behaviour, Empirical derivation of gas equation, (Ramadan starts)	• Liquefaction of gases • Kinetic energy, molecular speeds • Critical temperature • Kinetic energy, Viscosity • Surface tension
Biology			**Cell the unit of life** – Structure of prokaryotic cell, plasma membrane, cell organelles,	**Morphology of flowering plants** – Structure and modification of root, stem and leaf	**Morphology of flowering plants** – Parts of flower,

			nucleus		aestivation, placentation, fruit and seed
Informatics Practices			Introduction to computer and computing: evolution of computing devices. Basic computer organization: Computer system- I/O Devices	CPU, memory, Hard-disk, components of a Computer System and their interconnections.Computer Memory: Units of memory	Types of memory – primary and secondary, data deletion, its recovery and related security concerns
Computer Science	-		Basic computer organization: description of a computer system and mobile system, CPU, memory, hard disk, I/O, battery.	Types of software: Application software, System software and Utility software - Memory Units: bit, byte, MB, GB, TB, and PB.Boolean logic: Gates, truth tables and De Morgan's laws, Logic circuits.	Number System - binary addition - Encoding Schemes: ASCII, UTF8, UTF32, ISCII and Unicode.Compiler and Interpreter - Operating System (OS) - need for OS - functions of OS - cloud computing and services.(SaaS,IaaS,PaaS), Blockchain technology.
Accountancy			Accounting- Introduction: Meaning, objectives, advantages, limitations,	Accounting Introduction (cont.) Branches, Accounting information	Accounting: Principles, Concepts, Standards, IFRS, GST

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				Basic Accounting Terms	
Business Studies			Evolution & fundamentals of business: History of Trade & Commerce in India. Concept of business.	Business Objectives & Classification. Industry & Commerce.	Industry & Commerce. (contd.) Business Risk. 2.Forms of business organizations: Sole Proprietorship
Entrepreneurship			1.Entrepreneurship - What, Why and How: Entrepreneurship – Concept	Entrepreneurship – Concept (cont.) Startup: Concept	2.An Entrepreneur Types of Entrepreneurs.
Economics			Introduction to statistics: Meaning, scope, functions and importance of statistics in economics.	Collection of data: Meaning, sources of data Sampling and Non-sampling errors, methods of collecting data, Census of India and NSSO	Introduction to microeconomics: Meaning of micro economics and macroeconomics, Positive and Normative economics, what is an economy, central problems of an economy.
Marketing			<u>Communication Skills</u> Methods of Communication Communication Styles	Demonstrate basic writing skills	<u>Self-management Skills</u> Demonstrate impressive appearance and grooming

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Engineering Graphics			Class starts on 6th April Introduction to the new subject Engineering Graphics. Preliminary Contents of Engg.Graphics like Drawing instruments,size shape and layout of sheets,Title block.	Unit 1 : **Rectilinear Figures** Definitions Bisection and construction of angle. Lines,tiangles.	Quadrilaterals Defintions Square Rhombus Rectangle Trapezium Polygons Regular polygons Irregular polygons
Psychology	CHAPTER 1: WHAT IS PSYCHOLOGY? • Introduction	CHAPTER 1: WHAT IS PSYCHOLOGY? • Psychology as a Discipline, Natural Science and Social Science • Understanding Mind and	CHAPTER 1: WHAT IS PSYCHOLOGY? • Evolution of Psychology • Development of Psychology in India Chapter 4: Human Development	CHAPTER 1: WHAT IS PSYCHOLOGY? • Branches of Psychology Chapter 4:	CHAPTER 1: WHAT IS PSYCHOLOGY? • Branches of Psychology (continued)

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	Chapter 4: Human Development • Meaning of Development Life-Span Perspective on Development Growth, Development, Maturation, and Evolution	Behavior Chapter 4: Human Development • Factors Influencing Development • Context of Development	Overview of Developmental Stages • Prenatal Stage Infancy	Human Development • Childhood • Gender and Sex Roles	Chapter 4: Human Development • Challenges of Adolescence
P.E			**Changing Trends in PE** **Aims and objective of PE & V**arious **PE** course available in India	**Career options in PE** Soft skills-Different careers	**Specific** **GamesPhysical fitness**: practical classes
Work Experience			Introduction to GIMP, features and its advantages	Activity 1-Changing the Size (Dimensions) of an Image (Scale) Changing the Size (Filesize) of a JPEG Crop an Image Rotate or Flip an Image	Activity 2 – Will go through some basic image and layer manipulation techniques.

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ACADEMIC PLAN FOR THE MONTH OF MAY, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English		**(GRAMMAR): Determiners.** **NOTICE WRITING**	**The Laburnum Top** **We're Not Afraid to Die**	**The Address** **INVITATION & REPLIES**	UNIT TEST begins
Mathematics	-	**Trigonometry** Degree and radian measures. Trigonometric functions	**Trigonometry** Trigonometric functions (cont.) Sum and difference of two angles	**Trigonometry** Sum and difference of two angles Product formula	**Statistics** Measures of central tendency. Mean deviation from mean **(Unit Test – 1)**
Physics	Equality of vectors, multiplication of vectors by a real number. Addition and subtractionof vectors. Relative velocity. Unit vector; Resolution of a vector in a plane – rectangular Components Scalar and	Cases of uniform velocity and uniform acceleration-projectile motion. Uniform circular motion. Exercises and worksheet.	**CHAPTER 1- PHYSICAL WORLD** Physics--scope and excitement; nature of physical laws; Physics, technology and society.	**CHAPTER 2- UNITS AND MEASUREMENT** Need for measurement: Units of measurement; systems of units; SI units. Fundamental units and derived units. Length, mass and time measurements Accuracy and precision of	Revision UNIT TEST

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	Vector product of vectors.			measuring instruments; Errors in measurement; significant figures. Dimensions of physical quantities, dimensional analysis and its applications.	
Chemistry	**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	• Second law of Thermodynamics, • Gibb's energy change for spontaneous and non-spontaneousprocesses, Criteria for equilibrium • Third law of thermodynamics	**Equilibrium** • Dynamic equilibrium, Law of mass action, • Equilibrium constant, Factors affecting equilibrium	• Factors affecting Equilibriumcontd.. • Ionizationof acids and bases	• Ionization of polybasic acids UNIT TEST

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Biology	**Anatomy of flowering plants** – Meristem – features and classification, permanent tissue	**Anatomy of flowering plants** – Complex permanent tissue, tissue system	**Anatomy of flowering plants** – Primary structure of root, stem and leaf, secondary thickening	**Structural organization in animals** – Epithelial, connective, muscular and neural tissue	**Structural organization in animals** – Morphology of animals UNIT TEST
Informatics Practices	Basics of Python Programming – Variables - Data types – Operators, Expressions	Conditional statements – Introduction, if, if-else, if-elif-else	Conditional Statement - Iterative Computation and control flow: for range () ,len()	Revision, Unit Test 1 begins	Clearing Doubts on Unit Test syllabus
Computer Science	Introduction to Problem solving: Problem solving cycle - Analyzing a problem, designing algorithms flowchart and pseudo-code - Decomposition.	Features of Python, Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, Operators.	Comments in python - Clarity & Simplification of expression - concept of L-value and R-value.	Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence.	Operators & types: Binary Operators- Arithmetic, Relational Operators, Logical Operators, Augmented Assignment Operators. - program, errors execution - syntax error, run-time error and logical error.
Accountancy	Vouchers & its types Accounting Equation	Accounting Equation Journal	Journal-Sums	Journal -Sums Ledger: Meaning, Uses	Ledger Sums
Business Studies	Concept of Partnership. Hindu Undivided Family Business.	Cooperative Societies. Company forms of organization.	Formation of company. Choice of form of	3. Public, private and multinational company: Public sector and	Forms of public sector enterprises.

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			business organization	private sector enterprises – Concept. Forms of public sector enterprises.	(contd.) Multinational Company.
Entrepreneurship	Competencies of an Entrepreneur. Business ethics and entrepreneurial values	Intrapreneur: Importance in any organization; Entrepreneur v/s Intrapreneur	Entrepreneurship Journey Self-Assessment of Qualities, Skills & Resources	Ways to generate ideas Business Ideas v/s Business Opportunities.	Opportunity assessment Business Plan Preparation & Execution
Economics	What, how and for whom to produce? PPC and Opportunity cost.Consumers Equilibrium & demand: Utility – meaning, Marginal utility.	Law of diminishing marginal utility, Conditions of consumer's equilibrium using marginal utility analysis	Indifference curve analysis of consumer's equilibrium - Consumer's budget-budget set.	Budget line Monotonic preferences, indifference map	Condition of consumer's equilibrium with the help of indifference curve analysis.
Marketing	Demonstrate team work Skills Describe factors influencing team work	Apply time management strategies and techniques	Information & Communication Technology Create a document on word processor	Edit, save and print a document in word processor	Entrepreneurial Skills Describe the significance of entrepreneurial
Engineering Graphics	**Unit 2 :** **Circles and Tangents**	Circle and circumference	Problems based on tangents and transversal Direct tangent	Inscribing of circles : Inside a triangle	 UNIT TEST

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	Definitions		Indirect tangents	Inside a pentagon Inside a hexagon	
Psychology	CHAPTER 1: WHAT IS PSYCHOLOGY? • Themes of Research and Application • Basic v/s Applied Psychology Chapter 4: Human Development • Adulthood and Old Age	CHAPTER 1: WHAT IS PSYCHOLOGY? • Psychology and other Disciplines Chapter 8: Thinking 1. Introduction 2. Nature of Thinking -Building Blocks of Thought	CHAPTER 1: WHAT IS PSYCHOLOGY? • Psychologists at Work • Psychology in Everyday life Chapter 8: Thinking	CHAPTER 9: MOTIVATION AND EMOTION • Nature of Motivation • Types of Motivation Chapter 8: Thinking	CHAPTER 9: MOTIVATION AND EMOTION • Psychosocial Motives • Maslow's Hierarchy of Needs Chapter 8: Thinking
P.E	**Olympic Value Education Olympics :** **Specific Games**	**Ancient and Modern OlympicsSpecific Games**	**Paralympics and Special OlympicsSpecific Games** **Specific Games** practical classes	**International and Indian Olympic committee** **Sports Awards:** **Specific Games**	
Work Experience	Activity 3- Making a Circle-Shaped Image How to create a circular-shaped image	Activity 4- Layer Masks An introduction to using layer masks	Activity 5- Basic Color Curves A first look at the Curves tool and	Activity 6 - Image Formats Overview Selecting the best image format for your purposes.	Activity 7 – Converting B&W image into colored one

		tomodify the opacity of a layer	adjusting color tones in an image		

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ACADEMIC PLAN FOR THE MONTH OF JUNE, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English		**JOB APPLICATION**			
Mathematics	**Statistics** Mean deviation from mean and median Variance and Standard deviation **(Unit Test – 1)**	**Statistics** Variance and Standard deviation Application Type Questions	**SUMMER HOLIDAYS**	**SUMMER HOLIDAYS**	**SUMMER HOLIDAYS**
Physics	Errors in measurement; significant figures. Dimensions of physical quantities, dimensional analysis and its applications. UNIT TEST	EXERCISE AND WORKSHEET. UNIT TEST	SUMMER BREAK		
Chemistry	• Acid strength Concept of pH	• Solubility product	**SUMMERBREAK**		

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	UNIT TEST	UNIT TEST			
Biology	**Biomolecules** – micro molecules (amino acids, nitrogen bases), proteins, polysaccharides, bonds UNIT TEST	**Biomolecules** – Nucleic acids, enzymes UNIT TEST	**SUMMER BREAK**		
Informatics Practices	Decision-Making using if statement, if-else statement, if-elif and nested and if statement	Solving python programs for finding average and grade for given marks, amount calculation for given cost-qty-discount, perimeter/areas wise cost calculation,	Summer break	Summer break	Summer break
Computer Science	Conditional statements: if, if-else, if-elif-else; simple programs	Discussion on Holiday Homework – Programs using Selection Constructs	Summer break	Summer break	Summer break
Accountancy	Journal & Ledger sums Trial Balance	Journal, Ledger & Trial Balance-sums	Holidays		
Business Studies	Joint ventures. Public private partnership. 4.Business services: Business services – meaning and types.	Banking: Types of bank accounts Banking services.	Holidays		

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Entrepreneurship	Role of networking Unit-4 Entrepreneurship as innovation and problem solving Entrepreneur- as problem solver	E-commerce and Social Media • Social Entrepreneurship • Risk	Holidays		
Economics	Demand: Market demand, determinants of demand, demand schedule, curve and slope.	Movement along and shifts in the demand curve	Holidays		
Marketing	Demonstrate the knowledge of attitudinal changes required to become an entrepreneur	Analyzing situation and planning action	Holidays		
Engineering Graphics	**Unit 3 :** **Conic Sections** Definitions Parabola Ellipse	Involute Cycloid Helix	**SUMMER BREAK**		

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	Spiral UNIT TEST	Sine curve UNIT TEST			
Psychology	CHAPTER 9: MOTIVATION AND EMOTION • Frustration and Conflict • Nature of Emotions Chapter 8: Thinking • The Processes of Thinking	CHAPTER 9: MOTIVATION AND EMOTION • Physiological Bases of Emotion Chapter 8: Thinking • Problem Solving	CHAPTER 9: MOTIVATION AND EMOTION • Cognitive Bases of Emotion • Cultural Bases of Emotion Chapter 8:Thinking • Reasoning	CHAPTER 9: MOTIVATION AND EMOTION • Expression of Emotions • Managing Negative Emotions Chapter 8: Thinking • Decision-making	CHAPTER 9: MOTIVATION AND EMOTION • Managing Negative Emotions (continued) • Managing your Anger • Enhancing Positive Emotions Chapter 8: Thinking Creative Thinking • Nature of Creative Thinking • Process of Creative Thinking
P.E	**Physical Fitness, Wellness &Lifestyle(meaning and importance)** Theory of Specific	**Components of Physical Fitness and wellness, Lifestyle changes and Health threats.**	**SUMMER VACATION**	**SUMMER VACATION**	**SUMMER VACATION**

	Games as per students choice	practical classes			
Work Experience	Activity 8 –To change background color 1 and 2 on different layers	Activity 9- Introduction to GIMP Text Effects	Summer break	Summer break	Summer break

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ACADEMIC PLAN FOR THE MONTH OF AUGUST, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English		**NOTE MAKING** **POSTER DESIGN**	**Ranga's Marriage** **NOTICE WRITING**	**LANDSCAPE OF THE SOUL** **LETTER TO THE EDITOR** **SPEECH**	**LETTER OF PLACING ORDERS** **The Voice of the Rain** **ADVERTISMENT**
Mathematics	**SUMMER HOLIDAYS**	**Statistics** Variance and Standard deviation Application Type Questions (cont.) **Principals of Mathematical Induction** Concept and Sums on Principals of Mathematical induction	**Complex Numbers Quadratic Equations** Modulus and Conjugate Polar form Solving Quadratic Equations,	**Complex Numbers Quadratic Equations** MISCELLANEOUSQns Square root of a complex Number **Linear Inequalities** Algebraic solutions of L.E in one variable and their representation,	**Linear Inequalities** Graphical solution of L.E in 2 variables MISCELLANEOUSQns
Physics			**LAWS OF MOTION** Intuitive concept of force. Inertia, Newton's first law of motion; momentum	Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a	Notion of potential energy, potential energy of a spring, conservative forces.Power. Conservation of mechanical energy (kinetic and potential

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			and Newton's second law of motion; impulse. Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces. Static and kinetic friction, laws of friction, rolling friction,lubrication	level circular road, vehicle on banked road). Exercise and Worksheet **WORK, ENERGY AND POWER** Work done by a constant force and a variable force; kinetic energy, work-energy theorem.	energies); non-conservative forces. Motion in a vertical circle; Elastic andinelastic collisions in one and two dimensions. Exercise and worksheet
Chemistry			**Redox Reactions** • Concept of oxidation and reduction, Redox reactions. • Oxidation number, balancing redox	**Hydrogen** • Position of hydrogen in periodic table, occurrence, isotopes, preparation, properties and uses ofHydrogen.	**Organic Chemistry -Some Basic Principles and Technique** • General introduction, • Structural representations of organic compounds

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			reactionsin terms of loss and gain of electrons. • Redox reactions as the basis for titrations • Applications of redox reactions • Daniel cell • Standard electrode potential	• Hydrides-ionic covalent and interstitial. • Physical and chemical properties of water, Heavy water. • Hydrogen peroxide -preparation, reactions and structure and use. Hydrogen as afuel.	• Classification and • IUPAC nomenclature of organic compounds.
Biology			**Digestion and absorption** – Structure of digestive system, process of digestion and absorption, diseases	**Breathing and exchange of gases** - Structure of respiratory system, transport of gases, regulation, diseases	**Body fluids and circulation**- Structure of heart, blood groups, cardiac cycle, ECG, diseases
Informatics Practices	Summer break	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

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Computer Science	Summer Break	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
Accountancy	SUMMER BREAK	Cash Book	Cash Book Petty Cash Book	Other Subsidiary Books	Other subsidiary Books with ledger posting
Business Studies	SUMMER BREAK	Insurance – Principles & Types	Postal Service. 5. Emerging Modes of Business: E – business- concept, scope	Business Process Outsourcing.	6. Social Responsibility of Business and Business Ethics: Concept and case of social responsibility
Entrepreneurship	SUMMER BREAK	Understanding the Market. Business idea and concept. Types of business: Manufacturing, Trading and Services.	Stakeholders: Sellers, Vendors and consumers and competitors. Market research- concept, Importance and process.	Market sensing and testing Business model	Pricing and factors affecting pricing.
Marketing	SUMMER BREAK	<u>Green Skills</u> Describe importance of main sector of green economy	Describe the major green Sectors/Areas and the role of various stakeholder in green economy	<u>Introduction to Marketing</u> Concept of Marketing Scope	Importance of Marketing Marketing Philosophies

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Economics	SUMMER BREAK	Price elasticity of demand: Factors affecting PED, Measurement of PED.	Organization of data: Meaning, Types of variables, Frequency distribution.	Presentation of data: Tabular & diagrammatic presentation.	Bar diagrams and Pie diagrams
Engineering Graphics			Submission and checking of holiday assignments. **Unit 4:Orthographic projections of regular solids.** Introduction: Explanation of four quadrants Points Lines Views of an object. Orthographic projection Standard method of	Projection of points,lines and plane figures in 1st and 3rd angle method of projections. Introduction to orthographic projection 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. Solids inclined to V.P. Solids inclined to H.P. Frustums of solids

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			orthographic projection.		
Psychology	CHAPTER 7: HUMAN MEMORY Chapter 8: Thinking **Developing Creative Thinking** • Barriers to Creative Thinking • Strategies for Creative Thinking	CHAPTER 7: HUMAN MEMORY Chapter 8: Thinking • Thought and Language • Development of Language and Language Use	CHAPTER 7: HUMAN MEMORY	CHAPTER 7: HUMAN MEMORY	CHAPTER 7: HUMAN MEMORY
P.E		**Physical Education & Sports for CWSN (**Children with Special Needs- Divyang)	**Organizations**promoting Adaptive sports. **Special Olympics** Bharat: Paralympics: Deaflympics	**Need of Integrated PE** Role of:Counsellor,OccupationalTherapist,Physiotherapist,PET,Speech Therapist & Special Educator	
Work Experience	Summer break	Activity 10- To design an identity card / business card using all the	Activity 11- Introduction to GIMP Animation	Activity 12- To learn about red eye removal, sepia toning, straight line making	Activity 13- Tone Mapping and Shadow Recovery Using GIMP's 'Colors/Exposure'

		features of GIMP			

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ACADEMIC PLAN FOR THE MONTH OF SEPTEMBER, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English	**NOTE MAKING** **LETTER OF COMPALINT**	**Albert Einstein at School** **Sentence Reordering**	Revision for EXAM	EXAM	EXAM
Mathematics	**Permutations and combinations** Fundamental principle of counting. Factorial Notation(n!) Permutations. DerivationOf Formulae nPr.	**Permutations and combinations** Combinations Derivationo fformulae nCr. Relation between nPr and nCr. Simple applications.	**REVISION FOR ASSESSMENT – 1 And ASSESSMENT - 1**	**ASSESSMENT - 1**	**ASSESSMENT – 1**
Physics	**MOTION OF SYSTEM OF PARTICLES AND RIGID BODY** Centre of mass of a two-particle system, momentum conservation and centre of mass motion. Centre of mass of a	Moment of a force, torque, angular momentum, law of conservation of angular momentum and itsapplications Equilibrium of rigid bodies. Rigid body rotation and equations of rotational motion, comparison of	Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects REVISION	ASSESSMENT 1	ASSESSMENT 1

	rigid body; centre of mass of a uniform rod.	linear and rotational motions			
Chemistry	• Electronic displacements in a covalent bond inductive effect, electromeric effect • Homolytic and heterolytic fission of a covalent bond • Free radicals, carbocations, carbanions, electrophiles and nucleophiles, Resonance and hyper conjugation.	• Qualitative analysis and Estimation of elements. **Hydrocarbons** • **Alkanes-** Nomenclature, physical and chemical properties	• ***Alkenes*** - Nomenclature, structure of double bond (ethene), geometrical isomerism • Physicalproperties, methods of preparation	ASSESSMENT 1	ASSESSMENT 1
Biology	**Excretory**	**Movements and**	action of skeletal	**Assessment -1**	**Assessment -1**

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	products and their elimination – Structure of kidney, process of urine formation, regulation of kidney functions, diseases	**locomotion** – Muscles, structure and action of skeletal muscles, bones and joints	muscles, bones and joints		
Informatics Practices	Introduction to python dictionary. Methods to create, accessing an element, traversing. Difference between list and dictionary	Appending values, updating elements, removing an item, 'in' and 'not in' membership operator in the dictionary using built-in functions	Solving python programs on all topics for revising and doubt clearing	Assessment I	Assessment I
Computer Science	Strings: Traversal, operations – concatenation, repetition, membership;	String functions/methods.	String slicing. Traversing and compare – string operators - concatenation and replication of strings	Assessment – 1 Exam	Assessment – 1 Exam
Accountancy	Sums on all subsidiary books with leger posting.	Long sums of Subsidiary book-contd. Bank Reconciliation	REVISION	ASSESSMENT 1	ASSESSMENT 1

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		Statement Introduction			
Business Studies	Social responsibility towards different interest groups. Role of business in environment protection	Business Ethics - Concept and Elements	REVISION	ASSESSMENT 1	ASSESSMENT 1
Entrepreneurship	Launching strategies after pricing and proof of concept	Launching strategies after pricing and proof of concept (cont.)	REVISION	ASSESSMENT 1	ASSESSMENT 1
Economics	Histogram, Polygon, Ogive and Time series graph.	Producer Behaviour and Supply: Meaning, Short run and Long run.	REVISION	ASSESSMENT 1	ASSESSMENT 1
Marketing	Concept of Marketing and Selling	Marketing Environment: Meaning and importance of Environment in Marketing	REVISION	ASSESSMENT 1	ASSESSMENT 1
Engineering	**Unit 5: Sectional**	Sectional Projection	Sectional projection of solids inclined to V.P.	**Assessment 1**	**Assessment 1**

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Graphics	**Projection of Regular Solids** Introduction: Sectional Projection of vertical solids.	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 H.P. **Revision for Assessment**		
Psychology	CHAPTER 7: HUMAN MEMORY	CHAPTER 7: HUMAN MEMORY	CHAPTER 7: HUMAN MEMORY	CHAPTER 5: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES	CHAPTER 5: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES
P.E	**Yoga:Introduction-Elements of Yoga** **Yog – Nidra Relaxation techniques**	**Yoga Asanas, Pranayam, Meditation & Yogic Kriyas** **Yoga for concentration.**	**Specific Games of students choice**	MID TERM EXAM	MID TERM EXAM
Work Experience	Activity 14- To design a theme-based flyer to	Revision of GIMP tools and features available to brush	Practical Exam	Assessment I	Assessment I

	practice all the in-built tools of GIMP	your existing image			

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ACADEMIC PLAN FOR THE MONTH OF OCTOBER, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English		**DEBATE** **INFORMAL INVITATION & REPLIES**	**CLASSIFIEDS** **The Ailing Planet-The Green Movement's Role**	**Mother's Day** **ARTICLE WRITING** **NOTE MAKING**	**NOTE MAKING** **POSTER DESIGN** **NOTICE WRITING** **Reported Speech, Passive Voice**
Mathematics	-	**ASSESSMENT – 1** And **Binomial Theorem** Pascal's Triangle, Expansion of $(a+b)^n$	**Binomial Theorem** Finding General & Middle Terms MiscellaneousSums **Sequences & Series** Arithmetic Progression. General term. Arithmetic Mean .	**Sequences & Series** Geometric Progression. General term of a G.P. Sum of n terms of a G.P., Relation b/w A.M. & G.M **Straight Lines** Slope, Angle between lines using slopes. Different forms of St. lines.	**Straight Lines** General Equation of Straight lines, Distance Form. Shifting of origin Miscellaneous Sums
Physics	ASSESSMENT 1	Statement of parallel and perpendicular axes theorems and their applications. Exercises and worksheet.	Escape velocity,orbital velocity of a satellite. Geo-stationary satellites.	**Mechanical Properties of fluids** Pressure due to a fluid column; Pascal's law and its applications	Bernoulli'stheorem and its applications. Surface energy and surface tension, angle of contact, excess of pressure across a

		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,	Exercises and worksheet. **PROPERTIES OF BULK MATTER** **Mechanical Properties of Solids** Elastic behaviour, Stress-strain relationship, Hooke's law, Young's modulus,bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy.	(hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity,,	curved surface, Applications of surface tension ideas to drops, bubbles and capillary rise.
Chemistry	ASSESSMENT 1	• ***Alkynes*** – Nomenclature, Structure of triple bond, • Preparation,	• ***Aromatic Hydrocarbons***: IUPAC nomenclature, Resonance,	**Some Basic Concepts of Chemistry**: • General Introduction:	• Percentage composition, empirical and molecular formula

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		Chemical reactions:	Aromaticity, • Chemical properties Carcinogenicity and toxicity	Importance and scope of chemistry. • Nature of matter, laws of chemical combination • Atomic and molecular masses, mole concept and molar mass.	• Stoichiometry and calculations based on stoichiometry. **Structure of Atom** Bohr's model and its limitations
Biology	ASSESSMENT 1	**Neural control** - Structure of CNS, transmission of impulses, sense organs, diseases	**Chemical control** – Endocrine system and glands, hormonal action	**Transport in plants** – Physical processes, means, pathways and transport of water, phloem transport	**Mineral nutrition** – Micro and macro nutrients, mineral transport, nitrogen metabolism
Informatics Practices	Assessment I	Introduction to Relational Databases and Structured query Language (SQL). What is DBMS, need, components and advantages? DBMS	Overview of SQL and MySQL. Features of SQL, advantages of SQL, classification of SQL statements	MySQL basics, data types, commands, integrity constraints-primary key and foreign key, primary key, alternate key, candidate key	Data Definition: create table, drop table, alter table. data query: select, from, where. data manipulation: insert, update, delete.

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		Models, Relational Database, database key			
Computer Science	Assessment – 1 Exam Ends	Lists: Definition, Creation of a list, Traversal of a list. Operations on a list - concatenation, repetition, membership; functions/methods.	append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), min(), max(), sum(); Lists Slicing; Nested lists/	Tuples: Definition, Creation of a Tuple, Traversal of a tuple. Operations on a tuple - concatenation, repetition, membership; functions/methods.	Nested tuple; Tuple slicing.
Accountancy	ASSESSMENT I	Bank Reconciliation Statement- meaning, objectives, causes of differences. Preparation of BRS BRSwith Amended Cash Book	BRS with ACB- Comprehensive sums Depreciation- SLM	Depreciation- RBM Depreciation- Comprehensive sums	Depreciation- Comprehensive sums Bills of Exchange- meaning, types, features, ways of disposal
Business Studies	ASSESSMENT I	7.Sources of Business Finance: Concept of business finance. Owners' funds	Owners' funds	Borrowed funds.	Borrowed funds. Comparison between owners' fund and borrowed funds. 8. Small Business and Enterprises: Concept of Entrepreneurship Development.

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Entrepreneurship	ASSESSMENT I	Business arithmetic Unit of sale, unit price and unit cost Types of cost- Start up, Variable and Fixed Cost	Income Statement- direct, indirect expenses and profit Cash register	Cash book format for cash only	Cash book format for bank and cash. Income Statement- direct, indirect expenses and profit.
Economics	ASSESSMENT I	TP, AP and MP, Returns to a factor. Cost: TC, TFC, TVC, AC, AFC, AVC & MC - Meaning and their relationship.	Revenue: TR and MR- Meaning and relationship. Producer's equilibrium	Supply: meaning, determinants, slope, movements and shifts Price elasticity of supply: Meaning, Measurements of PED. .	Measures of central tendency: Mean – simple and weighted
Marketing	ASSESSMENT I	Meaning and steps in Environmental scanning	Macro Environment in business Discussion on demographic forces and Politico-legal forces	Economic forces Natural or physical forces Technologic al forcesSocio cultural forces	Micro environmental factors.
Engineering Graphics	**Assessment 1**	True shape of the section. Different types of true shapes and methods to	**Unit 6: Orthographic projection of simple machine blocks**. Introduction:	Construction of machine block 1 Machine block 2 Machine block 3	Machine block 6 Machine block 7 Machine block 8

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		construct it.	Construction of front view ,top view & side view with different machine blocks	Machine block 4 Machine block 5	Machine block 9 Machine block 10
Psychology	CHAPTER 5: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES	CHAPTER 5: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES	CHAPTER 5: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES	CHAPTER 5: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES	CHAPTER 5: SENSORY, ATTENTIONAL AND PERCEPTUAL PROCESSES
P.E	**Physical Activity & Leadership Training,**	**Quality and Role of a leader Behavior changes Stages for Physical Activity**	**Adventure sportsSpecific Gamesphysical fitness:**	**Test, Measurement & Evaluation**	
Work Experience	Assessment I	Introduction to INKSCAPE - overview, features and its benefits	Activity 1- To learn about canvas navigation, managing documents	Activity 2- To learn about shape tool basics, selection techniques	Activity 3- To learn about transforming objects with selector and grouping

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ACADEMIC PLAN FOR THE MONTH OF NOVEMBER, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English	**The Browning Version** **CLASSIFIEDS**	**Childhood** **POSTER DESIGN**	**REPORT WRITING** **SPEECH** **Sentence Reordering**	**ADVERTISMENT** **REPORT WRITING**	**Father to Son** **Letter of Job Application**
Mathematics	**Conic Sections** Sections of a cone. Degenerated case. Standard equations and simple properties of Circles, Parabola	**Conic Sections** Standard equations and simple properties of Ellipse, hyperbola **Introduction to 3-D** Coordinate axes and coordinate planes in three dimensions. Coordinates of a point.	**Introduction to 3-D** Distance between two points. Section formula. MiscellaneousSums	**Limits & Derivatives** Concept of Limits, Discussion of the topics $\lim_{x\to 0}\frac{\sin x}{x}$, $\lim_{x\to 0}\frac{\tan x}{x}$, $\lim_{x\to 0}\frac{1}{x}$, etc	-
Physics	**THERMAL PROPERTIES OF MATTER** Heat, temperature, thermal expansion. Thermal expansion of solids, liquids	Heat transfer-conduction, convection and radiation, thermal conductivity. Qualitative ideas	**THERMODYNAMICS** Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), heat, work and	**BEHAVIOUR OF PERFECT GASES AND KINETIC THEORY OF GASES** Equation of state of a perfect gas, work	Specific heat capacities of gases; concept of mean free path, Avogadro's number.

	and gases, anomalous expansion of water. Specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity.	of Blackbody radiation, Wein's displacement Law, Stefan's law, Greenhouse	internal energy. First law of thermodynamics, isothermal and adiabatic processes.Second law of thermodynamics: reversible and irreversible processes, Heat engine and refrigerator.	done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speedof gas molecules; degrees of freedom. Law of equi-partition of energy (statement only)	
Chemistry	• 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	• Electronic configuration of atoms, stability of half-filled and completely filled orbitals. **Classification of Elements and Periodicity in Properties** • Brief history of classification of	• Ionic radii, Ionization enthalpy, electron gain enthalpy, electronegativity. **Chemical Bonding and Molecular structure** • Kossel Lewis theory,Lewis	• Valence bond theory, resonance, geometry of covalent molecules • Concept of hybridization, involving s, p and d orbitals Shapes of some

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		and Hund's rule	elements • Modern periodic classification • Valency • Nomenclature of elements with atomic number greater than 100. • Periodic trends in properties of elements –atomic radii.	structure • Dipole moment	simple molecules,
Biology	**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 **Plant growth and regulators** – Phases of growth, growth models, PGRs	**Plant growth and regulators** – Photoperiodism, Vernalisation **Cell cycle and cell division** – Interphase, mitosis, cytokinesis	**Cell cycle and cell division** - Meiosis
Informatics	SQL Operations using ALTER command,	Data and its purpose,	Basic statistical methods for	NumPy arrays and their advantage,	Arithmetic operations on one Dimensional

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Practices	SQL Clauses - Between – IN – LIKE - ORDER BY – Aggregate Functions	Importance of data, Structured and unstructured data, Data processing cycle	understanding data - mean, median, mode, standard deviation and variance. Introduction to NumPy library	Creation of NumPy arrays; indexing, slicing, and iteration; concatenating and splitting array	and two-Dimensional arrays
Computer Science	Dictionary: Definition, Creation, Accessing elements of a dictionary.	Dictionary - add an item, modify an item in a dictionary; Traversal, functions/methods.	Sorting algorithm: bubble and insertion sort; count the number of operations while sorting.	Introduction to Python modules: Importing math; random module.	Python statistics module (mean, median, mode).
Accountancy	Accounting treatment of dishonor of bill of exchange	Bills of exchange Comprehensive sums Rectification of Errors- meaning, types of errors	Rectification of Errors- comprehensive sums	Rectification of Errors- comprehensive sums Financial statements of Sole Proprietor- meaning, objectives, types.	Trading & Profit & Loss A/c Balance Sheet
Business Studies	Intellectual Property Rights. Small business(MSMED Act)	Role of Small Business. Government schemes and agencies.	9.Internal Trade: Wholesale & Retail.	Types of retail trade.	Types of retail trade. Large Scale Retailer.
Entrepreneurship	Cash book (cont.)	Preparation of Income Statement.	Cash flow and cash flow projection	Break even analysis- single product	Taxes- meaning and importance. Financial business case study.
Economics	Median, Quartiles and Mode.	Measures of Dispersion: Range,	Mean and Standard deviation and their Co-	Lorenz Curve – Meaning and	Determination of market equilibrium

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		Quartile deviation	efficient.	Construction. Forms of Market: Perfect competition – Features.	Effects of shifts in demand and supply
Marketing	Marketing Segmentation, Targeting & Positioning Importance of Segmentation	Bases of Segmentation Meaning and types of targeting.	Positioning :The Battle for the Mind	Fundamentals of Marketing Mix: Concept, importance of Marketing Mix	Marketing mix components – Service Sector and Consumer Goods
Engineering Graphics	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	**Unit 7:Development of Surfaces** Introduction: Development of prisms Square prism Triangular prism Pentagonal prism Hexagonal prism	Development of pyramids Square pyramid Triangular pyramid Pentagonal pyramid Hexagonal pyramid	Development of cylinder Development of cone
Psychology	CHAPTER 3: THE BASES	CHAPTER 3: THE	CHAPTER 3: THE BASES OF	CHAPTER 3: THE BASES	CHAPTER 3: THE BASES

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	OF HUMAN BEHAVIOUR	BASES OF HUMAN BEHAVIOUR	HUMAN BEHAVIOUR	OF HUMAN BEHAVIOUR	OF HUMAN BEHAVIOUR
P.E	**Fundamentals of Anatomy in Sports**	**Physiology in Sports:**	**Kinesiology & sports**	**Biomechanics in Sports** Lever & Equilibrium	**BMI & Waist Hip Ratio,**
Work Experience	Activity 4 – To learn about setting fill and stroke	Activity 5 – To learn about duplication, alignment, and stacking order	Activity 6 – To understand shape tools: Rectangle and ellipse	Activity 7 – To understand shape tools: Star and spiral	Activity 8- To learn copy/paste tool, freehand and Bezier drawing tool and text tool.

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ACADEMIC PLAN FOR THE MONTH OF DECEMBER, 2020

Subjects	Week1	Week2	Week3	Week4	Week5
English	Revision for Exam	Revision for Exam	EXAM	WINTER VACATION	WINTER VACATION
Mathematics	**REVISION FOR ASSESSMENT –2**	**ASSESSMENT – 2**	**ASSESSMENT – 2**	**ASSESSMENT – 2 & WINTER BREAK**	**WINTER BREAK**
Physics	**REVISION OSCILLATIONS AND WAVES** Periodic motion - time period, frequency, displacement as a function of time, periodic functions.	ASSESSMENT II	ASSESSMENT II	WINTER BREAK	WINTER BREAK
Chemistry	Molecular Orbital theory of Homonuclear diatomic molecules, .	ASSESSMENT II	ASSESSMENT II	WINTER BREAK	WINTER BREAK

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	REVISION				
Biology	**Living world** – Taxonomic aids	Assessment -2	Assessment -2	WINTER BREAK	WINTER BREAK
Informatics Practices	REVISION	Assessment II	Assessment II	Assessment II	Winter Break
Computer Science	Revision for Assessment – 2 Exam.	Assessment – 2 Exam	Assessment – 2 Exam	Assessment – 2 Exam	Winter Break
Accountancy	Preparation of Financial Statements	REVISION ASSESSMENT I	ASSESSMENT 2	ASSESSMENT 2	WINTER BREAK
Business Studies	Large Scale Retailer. GST.	REVISION ASSESSMENT I	ASSESSMENT 2	ASSESSMENT 2	WINTER BREAK
Entrepreneurship	Resource mobilization Types of resources	REVISION ASSESSMENT I	ASSESSMENT 2	ASSESSMENT 2	WINTER BREAK
Economics	Monopoly, Monopolistic competition Oligopoly – Meaning and Features.	REVISION ASSESSMENT I	ASSESSMENT 2	ASSESSMENT 2	WINTER BREAK
Marketing	Marketing mix	REVISION	ASSESSMENT 2	ASSESSMENT 2	WINTER BREAK

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	components – Service Sector and Consumer Goods (cont.)	ASSESSMENT I			
Engineering Graphics	REVISION	Assessment -2	Assessment -2	WINTER BREAK	WINTER BREAK
Psychology	CHAPTER 3: THE BASES OF HUMAN BEHAVIOUR	CHAPTER 3: THE BASES OF HUMAN BEHAVIOUR	CHAPTER 3: THE BASES OF HUMAN BEHAVIOUR	CHAPTER 6: LEARNING	CHAPTER 6: LEARNING
P.E	**Psychology & Sports: Importance in PE & Sports**	**Growth and Development** Developmental Characteristics	Adolescent Learning laws Emotion	Specific Games according the students choice and physical fitness: practical classes	
Work Experience	Practical Exam	Assessment II	Assessment II	Assessment II	Winter Break

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ACADEMIC PLAN FOR THE MONTH OF JANUARY, 2021

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Subjects	Week1	Week2	Week3	Week4	Week5
English		**NOTICE WRITING** **Enquiry/Reply Order/Complaint /Reminder/Cancellation. Replies to the Letters.**	**THE GHAT OF THE ONLY WORLD** **REPORT WRITING**	**INFORMAL INVITATION & REPLIES** **POSTER DESIGN** **Birth**	**Sentence Reordering** **REPORT WRITING** **NOTICE WRITING** **NOTE MAKING**
Mathematics	**WINTER BREAK**	**Limits & Derivatives** First Principle, Scope of a tangent to the curve, Algebra of Derivatives,	**Limits & Derivatives** Algebra of Derivatives, Product and Quotient Rule MiscellaneousSums.	**Limits & Derivatives** MiscellaneousSums. **Probability** Random Experiment, Events, Simple &Compound Events, Independent Events $P(A \cup B)$, $P(A \cup B \cup C)$,	**Probability** Miscellaneous
Physics	**WINTER BREAK**	**WINTER BREAK**	Simple harmonic motion (S.H.M) and its equation; phase; oscillations of a spring-restoring force and forceconstant;energy in S.H.M. Kinetic and potential energiesSimple pendulum derivation of expression forits time	Free, forced and damped oscillations (qualitative ideas only), resonance **WAVES: WAVE MOTION:** Transverse and longitudinal	Displacement relation for a Progressive wave, principle of superposition of waves. Standing waves in strings andorgan pipes, fundamental mode and harmonics.

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			period.	waves, speed of wave.	Beats, Doppler effect.
Chemistry	**WINTER BREAK**	**WINTER BREAK**	Bond order Magnetism and stability of molecules Hydrogen Bond	**<u>s-Block elements</u>** *Group 1 and Group 2 Elements* • General introduction, • Diagonal relationship, • Trends in the variation of properties, • Trends in chemical reactivity Biological importance of Sodium, Potassium, Magnesium and Calcium	**<u>Some p –block elements</u>** • General *Introduction to Group 13 Elements:*General introduction, • Trends in chemical reactivity, • Uses • *Group 14 Elements:*Introduction, • Trends in chemical reactivity, • Carbon-physical and chemical properties; Compounds of Silicon, Uses: Silicon Tetrachloride,

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					Silicones, Silicates and Zeolites, their uses
Biology	**WINTER BREAK**	**WINTER BREAK**	**Biological classification** – five kingdom classification, Monera, Protista, fungi, lichens, viruses	**Plant kingdom – Algae, bryophytes**, pteridophytes, gymnosperms, angiosperms	**Animal kingdom** – Invertebrates and vertebrates
Informatics Practices	Winter Break	Calculating max, min, count, sum, mean, median, mode, standard deviation, variance on NumPy arrays	Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR)	Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities,Block chain technology	Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing
Computer Science	Winter Break	Cyber safety - identity protection, confidentiality, social networks, cyber trolls and bullying. Appropriate usage of social networks - adware, malware, viruses, trojans.	Safely communicating data - open source, open data, privacy- Privacy laws, fraud; cyber-crime- phishing, illegal downloads, child pornography, scams - cyber forensics, IT Act, 2000.	Technology and society: societal issues and cultural changes induced by technology. - E-waste management: Identity theft - unique ids and biometrics - Gender and disability issues while teaching and	Syllabus Completion

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				using computers.	
Accountancy	Winter break	Financial statements with Adjustments	Comprehensive sums on financial statements with adjustments	Accounts from incomplete records- Statement of Affairs method	Accounts from incomplete records- Conversion method
Business Studies		10.International Trade: Concept & Scope.	Export trade – Meaning and procedure.	Import Trade - Meaning and procedure.	Documents involved in International Trade.
Entrepreneurship	Winter break	Selection of human resources. Lawyers, auditors, Board Members	Role and importance of mentors Estimating the financial resources	Methods of meeting financial requirements	Classification of enterprise on size and capital
Economics	Winter break	Correlation: Meaning and properties	Scatter diagram. Measures of Correlation- Karl Pearson's Correlation	Spearman's Rank Correlation. Index Numbers: Meaning, Its uses.	Types: Wholesale price index, Consumer's price index.
Marketing	Winter break	CONSUMER BEHAVIOUR Meaning and Constituents of Consumer Behaviour	Consumer Behaviourv/s Consumption Behaviour v/s Buyer Behaviour	Importance of studying Consumer Behavior: Factors affecting Consumer Buying Behaviour	Different roles played by consumer
Engineering Graphics	WINTER BREAK	WINTER BREAK	**School reopens on 10.01.202 after winter break**	Isometric projection of	Isometric projection of circle using four centre

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			Unit 8:Isometric Projections Introduction: Construction of Isometric Scale. Isometric projection of square Isometric projection of triangle Isometric projection of rectangle	Pentagon Isometric projection of hexagon In both conditions – perpendicular to HP an parallel to VP	methods. Portion completion of both theory and practical on 31.01.
Psychology	CHAPTER 6: LEARNING	CHAPTER 6: LEARNING	CHAPTER 6: LEARNING	CHAPTER 6: LEARNING	CHAPTER 6: LEARNING
P.E	**Training in Sports :Principles of sports training**	**Warming up & limbering** down, Theory and practical classes Load, Adaptation & recovery	**Doping**:Classifications,Doping control procedure, Ergogenic Acids.	Prohibited Substances & their side effects Specific Games physical fitness: practical classes	
Work Experience	Winter Break	Activity 9 – To create a light bulb icon in Inkscape	Activity 10- Illustrating a rainbow image in Inkscape	Activity 11- Design your own logo using Inkscape	Activity 12 – Design various postage stamp using Inkscape

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ACADEMIC PLAN FOR THE MONTH OF FEBRUARY, 2021

Subjects	Week1	Week2	Week3	Week4	Week5
English		revision for final exam	revision for final exam	FINAL ASSESSMENT	FINAL ASSESSMENT
Mathematics	**Mathematical Reasoning** Mathematical Reasoning, Statements, Compound Statements, Negation of a Statements, Converse, Contra positive etc..	**REVISION FOR ASSESSMENT – 3**	**ASSESSMENT – 3**	**ASSESSMENT – 3**	-
Physics	Revision	Revision	Assessment -3	Assessment -3	
Chemistry	Revision	Revision	Assessment -3	Assessment -3	
Biology	Revision	Revision	Assessment -3	Assessment -3	
Informatics Practices	REVISION	REVISION	Final Assessment	Final Assessment	-
Computer Science	Revision – Python Programming	Revision -Data Management – Society – Law and Ethics	Final Exam	Final Exam	Final Exam completes
Accountancy	Theory of Financial Analysis	REVISION	FINAL ASSESSMENT	FINAL ASSESSMENT	FINAL ASSESSMENT
Business Studies	World Trade	REVISION	FINAL ASSESSMENT	FINAL ASSESSMENT	FINAL ASSESSMENT

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	Organization (WTO)				
Entrepreneurship	Various sources of information. Incubators and accelerators	REVISION	FINAL ASSESSMENT	FINAL ASSESSMENT	FINAL ASSESSMENT
Economics	Industrial production index numbers, Inflation and Index numbers	REVISION	FINAL ASSESSMENT	FINAL ASSESSMENT	FINAL ASSESSMENT
Marketing	Understand the stages in the consumer decision making process	REVISION	FINAL ASSESSMENT	FINAL ASSESSMENT	FINAL ASSESSMENT
Engineering Graphics	Revision	Revision	Assessment -3	Assessment -3	
Psychology	CHAPTER 6: LEARNING	PRACTICALS	PRACTICALS	CHAPTER 2: METHODS OF ENQUIRY IN PSYCHOLOGY	CHAPTER 2: METHODS OF ENQUIRY IN PSYCHOLOGY
P.E	**Physical Education Practical's** Proficiency in Games and Sports Physical Fitness Test	**Physical Education Practical's** Yoga Performance Record File Viva Voce (Health/ Games &	Final Exam	Final Exam	Final Exam

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		Sports/ Yoga) Practical Exam			
Work Experience	REVISION	Practical Exam	Final Assessment	Final Assessment	