

TARGET : CLASS 10																
Test No.	Test Type	Test Date	Physics		Chemistry		Biology		Maths		English		SST		Mental Ability	
			Physics		Chemistry		Biology		Maths		English		SST		Mental Ability	
1	Minor Test - 1	05/06/2022	<p>Optics ,Reflection of Light : Light - source of light, Nature & properties of light, Production of electromagnetic (EM) waves, EM & radio light spectrum, Objects Luminous & Non-luminous, Opaque, Transparent & translucent objects, some basic terms, Dispersion of beam of light, Reflection of light (Phenomenon, laws, basic terms, types of reflection), Reflection from plane mirrors (Some basic terms point & extended object, image of light, Reflection of light (Phenomenon, laws, basic terms, types of reflection), Reflection from spherical mirrors (Some basic terms point & extended object, image of light, Reflection of light (Phenomenon, laws, basic terms, types of reflection), Reflection from spherical mirrors (Types, basic terms, Concave & convex mirrors, some basic terms related to spherical mirrors), Rules to obtain images in spherical mirrors</p>		<p>Chemical reactions and equations-physical and chemical changes chemical reactions and its characteristics, chemical equations (balanced) equations and ionic equations, rules for writing the chemical equation, balancing of equation, maximum chemical equation more informative Types of chemical reactions-Combination, decomposition (thermal decomposition, photo decomposition electro decomposition), Displacement reaction, double displacement reaction</p>		<p>Nutrition</p> <p>Pair of Linear Equations in Two Variables</p>		<p>A letter to God, Best of friend, A Thriftful Surgery, Integrated Grammar Exercises (Gap Filling)</p>		<p>The Rise of Nationalism in Europe, Resources and Development</p>		<p>Verbal Series, Non Verbal Series, Dot situation, Completion Of Incomplete Pattern</p>			
2	Minor Test - 2	19/06/2022	<p>Optics ,Reflection of Light : Image formation by a convex mirror, use of convex mirrors, Image formation by a concave mirror, use of concave mirrors, Sign convention for reflection by spherical mirrors, Formulae related to spherical mirrors (Relationship between radius of curvature & focal, Minor formulae, Magnification), Some important points related to spherical mirrors</p>		<p>Acids, bases and salts-properties and classification of acids and bases, Indicator, basic solutions, phenolphthalein, methyl orange, turmeric, reaction of acids and bases with metals, reaction of acid with metal carbonate and hydrogen carbonate, reaction of acid and bases with each other - reaction of a non-metallic oxide with a base-reaction of a metallic oxide with a base</p>		<p>Respiration</p> <p>Real Numbers, Polynomials</p>		<p>Nelson Mandela / Long Walk to Freedom, Fire and Ice, The Thief's Story, Letter Writing, Integrated Grammar Exercises (Editing)</p>		<p>Power Sharing, Development, Nationalism in India</p>		<p>Coding & Decoding, Mirror & Water Images</p>			
3	Minor Test - 3	03/07/2022	<p>Optics ,Reflection of Light : Introduction, Fermat's principle of least time, Reflection of light (Phenomenon, some basic terms), Laws of reflection (Obel's law, angle of deviation, absolute & relative refractive index), Refraction through a glass slab, Apparent depth, Lenses (Type of lenses, basic terms used in lenses), Rules to obtain images in spherical lenses</p>		<p>Acids ,bases and salts that do all acids and all bases have in common? pH scale, properties of pH in every day life, Salts (formation of salts, families of salts of acids - chlorides from common salts - sodium hydroxide, Bleaching powder, Soluble salts washing soda, Ane crystals of acids of dry, POP</p>		<p>Transportation</p> <p>Introduction to Trigonometry</p>		<p>A Tiger in the Zoo, Two Stories About Firing, The Merchant Viceroy, Integrated Grammar Exercises (Gap Filling)</p>		<p>Federation, Water Resources, Sectors of the Indian Economy</p>		<p>Logical Venn Diagram, Logical Sequence of Words, Paper Folding & Paper Cutting</p>			
4	Minor Test - 4	17/07/2022	<p>Optics ,Reflection of Light : Image formation by convex lens, image formation by concave lens, Sign convention for lens, Formulae related to lens (Lens formula, magnification), Power of lens, Some important points related to lenses The Human Eye & The Colourful World : Human eye (Components & structure, working of eye, cause of various parts of eye), Impairment of two eyes</p>		<p>Metals and Non Metals physical properties of metals-halure of metals, metals, malleability, ductility, conductivity, sonority, physical properties of nonmetals and chemical properties of metals-metal of metal with oxygen, Reaction of metals with water, reaction of metals with acids, reaction of metal with solutions of other metal salts, reactions of metals with non metals</p>		<p>Excretion</p> <p>Similar Triangles, Coordinate Geometry</p>		<p>The Diary of an Alien Frank, The Selfie, Analyzed Paragraph Writing, Integrated Grammar Exercises (Integrated Speech Gap Filling)</p>		<p>Forest and Wildlife Resources, The Age of Industrialisation</p>		<p>Direction Sense Test , Points test</p>			
5	Minor Test - 5	31/07/2022	<p>The Human Eye & The Colourful World : Power of accommodation (Power of accommodation, near & far point, how we see colours, Colour blindness, Cataract), Defects of vision & their correction (Myopia, Hypermetropia, Presbyopia), Refraction of light through a prism, Dispersion of white light by a prism & glass slab, Newton's setup of two prisms to get back white light, The Rainbow, formation of rainbow, Atmospheric refraction & related phenomena, Scattering of light & related phenomena</p>		<p>Metals and Non Metals, general properties of ionic compound, Occurrence of metals, oxide state and combined state, minerals and ores, Extraction of metals, metallurgy-crushing and grinding of ore, enrichment of ore, extraction of metal from the enriched ore - extraction of metals from the reactivity series, extraction of metals made in the reactivity series, extraction of metals high in the reactivity series, Refining</p>		<p>Control and Coordination</p> <p>Area Related to Circle, Probability</p>		<p>A Question of Trust, Footprints Without Feet, Integrated Grammar Exercises (Gap Filling)</p>		<p>Gender, Religion and Caste, Agriculture, The Making of a Global World, The Rise of a Global Village</p>		<p>Number/Ranking & Time Sequence Test, Mathematical Operator, Alphabet Test</p>			
6	Major Test - 1	28/08/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	Major Test - 2	31/08/2022	Full Syllabus of Set-1		Full Syllabus of Set-1		Full Syllabus of Set-1		Full Syllabus of Set-1		Full Syllabus of Set-1		Full Syllabus of Set-1		Full Syllabus of Set-1	
8	Major Test - 3	04/09/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	Major Test - 4	07/09/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	Advance Test - 1	11/09/2022	<p>Light, Motion</p>		<p>Chemical Reactions and Equations, Acids,Bases And Salts/From Introduction to pH Scale/Matter in Our Surroundings</p>		<p>Nutrition, Respiration, Transportation, Cell</p>		<p>Linear Equations in Two Variables, Polynomials, Coordinate Geometry, Lines and Angles, Trigonometry</p>		<p>NA</p>		<p>The Rise of Nationalism in Europe, Resources and Development, Power Sharing, Development, Nationalism in India, Federation, Water Resources, The French Revolution, Revolution in Russia and the Russian Revolution, What is Democracy? Why Democracy?, India Size and Location, Physical Features of India, The Story of Village Panchay</p>		<p>Verbal Series, Non Verbal Series, Dot situation, Coding & Decoding, Mirror & Water Images, Logical Sequence of words, Number, Ranking & Time Sequence test, Analytical Reasoning, Inserting the Missing Character</p>	
11	Advance Test - 2	14/09/2022	<p>Heat, Force and N.M., Gravitation</p>		<p>Acids,Bases And Salts/From Matter to POP, Metals And Non Metals/From Matter to Matter to Pure</p>		<p>Excretion, Control and Coordination, Tissue</p>		<p>Number System, Sets and Indices, Quadrilaterals, Area of Parallelogram and Polygon, Probability</p>		<p>NA</p>		<p>Sectors of the Indian Economy, Forest and Wildlife Resources, The Age of Industrialisation, Gender, Religion and Caste, Agriculture, The Making of a Global World, Nations and the Rise of Global Village, Constitutional Design, Ourselves, People as resource</p>		<p>Alphabet Test, Alphametric Sequence Puzzle, Logical Venn Diagram, Spotting and the Embedded Figure, Architectural Reasoning, Inserting the Missing Character</p>	
12	Minor Test - 1	18/09/2022	<p>Electricity : Electricity, Static electricity & the source, Electric charge, Properties of electric charge, Unit of electric charge, Coulomb's law, Electric potential, Potential difference, Conductors & Insulators , Current electricity, Flow of charge through a conductor, Measuring potential difference and current, Electric circuit</p>		<p>Carbon and its compounds - covalent bonding, necessary conditions for covalent bond, classification of covalent bond, formation of covalent compounds - characteristics of covalent compounds</p>		<p>How do Organisms Reproduce - Introduction, Significance of Reproduction, types of reproduction, Asexual reproduction (I) Fission (ii) Budding, (iii) Regeneration (iv) Fragmentation (v) Spore formation (vi) Vegetative propagation) Sexual reproduction - Differences between asexual and sexual reproduction, Sexual reproduction in flowering plants, Pollination, Fertilization</p>		<p>Coordinate Equations</p>		<p>Glennan of India, The Making of a Global World, Integrated Grammar Exercises (Gap Filling)</p>		<p>Minerals and Energy Resources</p>		<p>Alpha-Numeric, Sequence Puzzle, Verbal & Non Verbal Analog & Classification</p>	
13	Minor Test - 2	25/09/2022	<p>Electricity : Electric resistance, Ohm's law, Resistors, Dependence of resistance on length, area of cross-section and material, Resistivity, Effect of stretching a wire & doubling a wire on its resistance, Condition for wires of equal length but of two different materials to have the same resistance</p>		<p>Carbon and its compounds -allotropes of carbon - diamond, graphite, fullerenes, Variable nature of carbon, sate bond theory, Saturated and unsaturated compounds, Lewis dot structure of organic compounds - general formula of alkane, alkene & alkyne</p>		<p>How do Organisms Reproduce - Human reproductive system, Female reproductive system, Reproductive health</p>		<p>Coordinate Equations</p>		<p>Glennan of India, The Making of a Global World, Integrated Grammar Exercises (Gap Filling)</p>		<p>Minerals and Energy Resources</p>		<p>Blood Relation, Spotting On The Embedded Figure</p>	
14	Minor Test - 3	02/10/2022	<p>Electricity : Resistors in series, Resistors in parallel, Heating effect of electric current, Electric power & electric energy, Ohm's law of heating, Applications of thermal effects of current (Electric bulb, Electric fuse)</p>		<p>Carbon and its compounds -Chains,branches and rings,homologous series, functional groups,IUPAC Nomenclature</p>		<p>Heredity and Evolution- Introduction, Gregor Johann Mendel, Mendel's experiment, Advantages of pure strains, Pair of allelic characters found in garden pea plants, Monohybrid cross, Dihybrid cross, Laws of inheritance, Sex determination</p>		<p>Coordinate Equations</p>		<p>Glennan of India, The Making of a Global World, Integrated Grammar Exercises (Gap Filling)</p>		<p>Minerals and Energy Resources</p>		<p>Blood Relation, Spotting On The Embedded Figure</p>	
15	Minor Test - 4	09/10/2022	<p>Magnetic Effects of Electric Current : Magnetism, Permanent magnets (Magnetic poles, Properties of a bar magnet, Nature & artificial magnets), Magnetic field, Magnetic field lines and their properties, Uniform & non-uniform magnetic fields, How to make a permanent magnet, Uses of magnets, Electric current as a source of magnetism (Magnetic field due to a current-carrying straight conductor, Right hand thumb rule, Magnetic field due to a current-carrying circular loop, Magnetic field of a solenoid, Electromagnets)</p>		<p>Carbon and its compounds -Combustion, chemical properties of organic compounds to combustion, oxidation, addition, substitution</p>		<p>Our Environment</p> <p>Surface Area and Volumes</p>		<p>Coordinate Equations</p>		<p>Glennan of India, The Making of a Global World, Integrated Grammar Exercises (Gap Filling)</p>		<p>Minerals and Energy Resources</p>		<p>Blood Relation, Spotting On The Embedded Figure</p>	
16	Minor Test - 5	16/10/2022	<p>Magnetic Effects of Electric Current : Force on a current carrying conductor in a magnetic field (Fleming's left hand rule, Magnetic force on a current-carrying conductor & motor change), AC & DC with their advantages & disadvantages, Domestic electric circuits, Overloading & Short-circuiting</p>		<p>Carbon And Its Compounds-Chain- properties and uses, Ethanic acid-properties and uses, soaps and detergents.</p>		<p>How do Organisms Reproduce, Heredity and Evolution</p>		<p>Coordinate Equations</p>		<p>Glennan of India, The Making of a Global World, Integrated Grammar Exercises (Gap Filling)</p>		<p>Minerals and Energy Resources</p>		<p>Blood Relation, Spotting On The Embedded Figure</p>	
17	Advance Test - 1	13/11/2022	<p>Electricity , Thrust and Pressure, Work, Energy, Power</p>		<p>Carbon And Its Compounds, Acids And Molecules</p>		<p>Reproduction in Plants and Animals ,Hereditary and Evolution,Improvement in Food Resources</p>		<p>Coordinate Equations</p>		<p>Glennan of India, The Making of a Global World, Integrated Grammar Exercises (Gap Filling)</p>		<p>Minerals and Energy Resources</p>		<p>Blood Relation, Spotting On The Embedded Figure</p>	
18	Advance Test - 2	20/11/2022	<p>Magnetic Effects of Electric Current, Sources of Energy, Waves and Sound</p>		<p>Periodic Classification Of Elements,Structure Of An Atom</p>		<p>Our Environment, Management of Natural Resources, Diversity in Living Organisms, Why do we fall ill ?</p>		<p>Coordinate Equations</p>		<p>Glennan of India, The Making of a Global World, Integrated Grammar Exercises (Gap Filling)</p>		<p>Minerals and Energy Resources</p>		<p>Blood Relation, Spotting On The Embedded Figure</p>	
19	Major Test - 1	04/12/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	Major Test - 2	11/12/2022	Full Syllabus of Set 2		Full Syllabus of Set 2		Full Syllabus of Set 2		Full Syllabus of Set 2		Full Syllabus of Set 2		Full Syllabus of Set 2		Full Syllabus of Set 2	
21	Major Test - 3	18/12/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Major Test - 4	25/12/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTE: 1. MINOR TEST & ADVANCE TEST WILL BE BASED ON OBJECTIVE PATTERN MAJOR TEST WILL BE BASED ON SUBJECTIVE PATTERN.
2. SELF EVALUATION TEST PAPERS WILL BE AVAILABLE IN DOWNLOADABLE & PRINTABLE FORMAT ON DSAT.ALLEN.IN