

**TARGET : CLASS 8**

Test No.	Test Type	Test Date	Physics	Chemistry	Biology	Maths	English	SST	Mental Ability	
1	Minor Test - 1	05/06/2022	<b>Force and Pressure</b> (Force, forces are due to interaction, exploring forces, forces can change state of motion (It can move at rest/stationary state, it can stop a moving object, it can increase or decrease the speed of a moving object, it can change the direction of a moving object, it can make an object to rotate), force can change the shape of an object, contact forces: muscular force, friction, tension, normal force), non-contact forces:magnetic force, electrostatic force, gravitational force)	<b>Synthetic Fibres and Plastics</b> Introduction, Definition of fibre, Types of fibres on the basis of source: natural and synthetic, sources of natural fibres and synthetic fibres (Polymerisation - condensation and addition), cellulose as polymer, Properties and Uses of Rayon, Nylon, Strength of different fibres, Plastics: Advantages and disadvantages of synthetic fibres	<b>Crop Production and Management</b> (Introduction to irrigation)	Rational Numbers	Rooms & Promenades, Non-Finite lines of Verbs	Now, When & Where, From Trade to Territory, Resources	Verbal Series, Non Verbal Series	
2	Minor Test - 2	19/06/2022	<b>Force and Pressure</b> (Pressure: formulae and unit, pressure exerted by solids and gases, pressure and depth, Atmospheric pressure) (Frictional force, its direction, spring balance, the cause of friction, types of friction)	<b>Synthetic Fibres and Plastics</b> : Plastics Definition: Types of plastics - Thermoplastic, Thermosetting plastics, Plastics with linear arrangement, Plastics with cross linked arrangement, General properties and uses of Plastics and the environment-Problems and solutions associated with plastic disposal)	<b>Crop production and management</b> : Agricultural practices(disposal/ways of irrigation/irrigation/ storage), Animal Husbandry	Square and Square Root, Cubes and Cube Root	Terms, Reported Speech, Synonyms and Antonyms	Ruling the countryside, Understanding secularism, The Indian Constitution	Coloring & Decoding, Dot Situation	
3	Minor Test - 3	03/07/2022	<b>Friction</b> ( Factors on which friction depends, static friction, sliding friction, friction: a necessary evil, necessity of friction in different cases, rolling friction, Friction and energy, Roll friction, reducing friction (Oil bearings, ball bearings), increasing friction)	<b>Metals and Non-metals</b> Introduction, Occurrence of Metals & Non- metals, Physical properties of metals & Non- metals: Physical state, Hardness, Malleability, Ductility, Conductivity (with associated: Semiconductors)	<b>Microorganisms - Friends and Foe</b> Major group of microorganisms, Microorganism as Beneficial-Preparation of curd/bread, cake, Bio gas and Cheese, Chemical control of microorganisms in industry	Exponents and powers, Linear equation in one variable	Active and Passive Voice	Land, Soil, Water, Natural Vegetation and Wildlife Resources, Mineral and Power Resources, Understanding Laws	Number Ranking & Time Sequence Test, Logical Sequence of Words, Mathematical Operation	
4	Minor Test - 4	17/07/2022	<b>Sound</b> (Introduction of sound, sound is produced by vibrating body, all being, amplitude of vibrating particle, wave motion, Sound needs medium for propagation, factors on which speed of sound depends, absorption, sound produced by humans, frequency of vibrating body)	<b>Metals and Non-metallic</b> Chemical Properties: Reaction of metals with Oxygen, Reaction of metals with water, Nature of Oxides, Reaction with Acids	<b>Microorganisms - Friends and Foe - Agricultural use of microorganisms</b> Nitrogen cycle, Multicultural use of microorganisms, Chemicals in the environment, Microorganisms-as Top Food preservation.	Understanding Quadrilaterals, Introduction to Graphs and Data Handling	Subject -Verb Agreement	Why do we need a Parliament, Tribals, Dikus & the Vision of the Golden Age	Direction Sense Test, Completion of Incomplete Pattern, Spotting out the Embedded Figure, Logical Sequence of Words, Alphabet Test, Alpha-Numeric Sequence, Puzzle, Mirror & Water Images	
5	Minor Test - 5	31/07/2022	<b>Sound</b> (The human ear, time period of a vibrating particle, audible and inaudible sounds, Characteristics of audible sounds) (pitch, loudness, quality), noise and music, noise pollution, sources of noise pollution, effects of noise pollution, measures to limit noise pollution, hearing impairment, hearing aid)	<b>Metals and Non-metallic</b> Reaction of metals with bases, displacement reaction, Uses of metal & non-metal	<b>Conservation of Plants and Animals</b> Discovery of cell.	Playing with Numbers	Preposition, Proust Verbs, Cross-Setting	Understanding Our Criminal Justice System, When People Rebel, Judiciary	Alphabet Test, Alpha-Numeric Sequence, Puzzle, Mirror & Water Images	
6	Major Test - 1	28/08/2022	NA	NA	NA	Full syllabus of Set-1	NA	NA	NA	
7	Major Test - 2	31/08/2022	Full Syllabus of Set-1 (SCIENCE)			NA	NA	NA	NA	NA
8	Major Test - 3	04/09/2022	NA	NA	NA	NA	Full Syllabus Set-1	NA	NA	
9	Major Test - 4	07/09/2022	NA	NA	NA	NA	NA	Full syllabus of Set-1	NA	
10	Advance Test - 1	11/09/2022	<b>Force and Friction</b>	<b>Metals and Non-metals</b>	<b>Crop Production and Management, Microorganisms</b> (Introduction to Vaccine)	Number System, Square and Square Roots, Cubes and Cube Roots, Exponents and powers, Linear equation in one variable	NA	NA	Verbal Series, Non Verbal Series, Coloring & Decoding, Dot Situation, Number, Ranking & Time Sequence Test	
11	Advance Test - 2	14/09/2022	<b>Thrust and Pressure, Waves and Sound</b>	<b>Metals and Non-metals</b>	<b>Microorganisms - (Use in Agriculture to Food Preservation)</b> , Conservation of Plants and Animals	Quadrilaterals, Data Handling Lines And Angles, Triangles	NA	NA	Direction Sense Test, Completion of Incomplete Pattern, Spotting out the Embedded Figure, Logical Sequence of Words, Alphabet Test, Alpha-Numeric Sequence, Puzzle, Mirror & Water Images	
12	Minor Test - 1	18/09/2022	<b>Chemical Effects of Electric Current</b> (Introduction, Conductivity in solids, LEDs, Conductivity in liquids, Corrosion, Displacement, Acids, Bases, Salts, Neutralization Reaction, Electrolysis, Electrolysis of Copper Sulphate, Electrolysis of water, Why acids conduct electricity, Primary primary redox experiment, Electroplating). <i>Some Natural Phenomena</i> (Lighting transmission, Artificial satellites)	<b>Coal and Petroleum</b> : Introduction, Natural Resources, Fuel, Coal, Petroleum	<b>Cell - Introduction</b> Discovery of cell, Structure of cell, Cell wall, Cell membrane (2) Chloroplast	Algebraic Expressions, Identifies and Factorization	Conjunction	Waters, Iron Smelters and Factory Owners, Chalking the "Nation", Educating the Nation	Logical Venn Diagram, Verbal & Non Verbal Analogy & Classification	
13	Minor Test - 2	25/09/2022	<b>Some Natural Phenomena</b> (Modern theory of electric charges, Interaction between charges, Charging by induction, Transfer of charge, Leaf electroscope, Lightning introduction, Why clouds get charged, Why air becomes a conductor during lightning, Lightning safety rules, Lightning conductor, Earthquake, Structure of Earth, How earthquake occurs - Break, Strain, Faults & its types, Earthquake waves, Seismograph, Richter scale, Protection against earthquake )	<b>Coal and Petroleum</b> : Natural Gas, Conservation of Fuel, Fuel Combustion and Flame: Introduction, Combustion, Conditions Required to Combustion, How do we control fire, Types of Combustion	<b>Cell: Cell Organelles and their Functions</b> , Mitochondria, Chloroplast, Endoplasmic reticulum, Golgi Bodies, Lysosomes, Ribosomes and Vacuoles, Nuclear Envelope between Prokaryotes and Eukaryotes, Difference between Plant cell and Animal cell. <b>Reproduction in Animals</b> : introduction, Modes of Reproduction	Orms and Inverse Proportions	The Sermons, Best Word Vocabulary	Understanding Marginalisation, Confronting Marginalisation, Women Caste and Reformers	Blood Relation, Paper Folding & Paper Cutting	
14	Minor Test - 3	02/10/2022	<b>Light</b> (Sources of light, Objects-Luminous, Non-luminous, Transparent, Translucent, Opaque, Absorption, Transmission, Reflection, Properties of light, Reflection of light, Basic terms related to reflection, Why air becomes a conductor during lightning, Lightning safety rules, Lightning conductor, Earthquake, Structure of Earth, How earthquake occurs - Break, Strain, Faults & its types, Earthquake waves, Seismograph, Richter scale, Protection against earthquake )	<b>Combustion and Flame</b> : Flame, What is Combustion, Fuel Efficiency, Harmful Effects of Burning Fuels	<b>Reproduction in Animals - Asexual Reproduction</b> (A) Budding (B) Binary Fission (C) Other methods of Asexual Reproduction (D) Sexual Reproduction (E) Fertilisation (F) Internal Fertilisation (G) External Fertilisation (H) Spermatogenesis and Oogenesis - Young ones to adult	Practical Geometry, Comparing Quantities	Adverbs, Phrases and Clauses	Agriculture Public Facilities, Law and Social Justice	Inserting the Missing Character, Figure matrix	
15	Minor Test - 4	09/10/2022	<b>Light</b> (Human Eye Components, structure, Working of human eye, Principle of cinematography, Accommodation, Near point, Least distance of distinct vision, Far point, Care of eyes, Eyes of animals, Visually challenged people & resources for them, Braille System, Cataract)	<b>Pollution of Air and Water</b> : Introduction, Types of Pollution, Acid Rain, Ozone Depletion, Green House Effect, Prevention of Pollution	<b>Reproduction in Animals - Asexual Reproduction</b> (A) Budding (B) Binary Fission (C) Other methods of Asexual Reproduction (D) Sexual Reproduction (E) Fertilisation (F) Internal Fertilisation (G) External Fertilisation (H) Spermatogenesis and Oogenesis - Young ones to adult	Visualising Solid Shapes, Memorisation	Determiners and Articles	The Making of National Movement 1878 - 1947, Industries	Dice & Cube, Analytical Reasoning	
16	Minor Test - 5	16/10/2022	<b>Universe</b> (Sky - celestial objects, Moon-like looking, Other part of moon, Phases of moon, Moon's surface, Stars, Constellations - Ursa Major, Orion constellation, Constellations - Cassiopeia, Ursa minor, Solar system, Planets & their description, Asteroids, Comets, Meteors, Artificial satellites)	<b>Pollution of Air and Water</b> : Water Pollution, Potable Water, Treatment of Pollution	<b>Reaching the Age of Adolescence</b> - Endocrine Glands (Pituitary gland, Thyroid gland, pancreas, role of hormones in regulating reproductive function). Reproductive phase of life in Humans (Primary, Secondary, Adolescence, Adolescence, How to prevent AIDS/STD/Genetic Disorders)	Measurement	Metals, Ions and phrases	India After Independence, Human Resources	Puzzle Test - Figure Formation, Contractions of Square & Grouping of Identical Figures	
17	Advance Test - 1	13/11/2022	<b>Electricity, Chemical Effects of Current</b>	<b>Fuels and it's Combustion</b>	<b>Cell</b>	Algebraic Expressions, Identifies and Factorization, Visualising Solid Shapes, Memorisation, Ratio and Proportion, percentage, Profit, Loss and Discount	NA	NA	Mathematical Operation, Logical Venn Diagram, Verbal Analogy & Classification, Non Verbal Analogy & Classification, Blood Relation, Paper Folding & Paper Cutting	
18	Advance Test - 2	20/11/2022	<b>Light, Universe</b>	<b>Pollution of Water and Air - General Chemistry</b>	<b>Adolescence and Reproduction</b>	Partnership, Intimate and Allergations, Simple and Compound Interest, Time, Speed and Distance, Unitary Method, Time and Work, Paper and Calendars, Problem On Age and Numbers	NA	NA	Inserting the Missing Character, Dice & Cube, Analytical Reasoning, Puzzle Test, Arithmetic Reasoning, Figure Matrix, Reproduction/Conservation of Figures & Grouping of Identical Figures	
19	Major Test - 1	04/12/2022	NA	NA	NA	Full syllabus of Set-2	NA	NA	NA	
20	Major Test - 2	11/12/2022	Full syllabus of Set-2 (SCIENCE)			NA	NA	NA	NA	NA
21	Major Test - 3	18/12/2022	NA	NA	NA	NA	Full Syllabus - Set-2	NA	NA	
22	Major Test - 4	25/12/2022	NA	NA	NA	NA	NA	Full syllabus of Set-2	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 [OSAT.ALLEN.AC.IN](http://OSAT.ALLEN.AC.IN)  
 3. ADVANCE TEST WILL BE BASED ON OLYMPIAD PATTERN