

			TARGET : CLASS 8							
Test No.	Test Type	Test Date	Physics	Chemistry	Biology	Maths	English	SST	Mental Ability	
1	Minor Test - 1	09 June 2024	<p>Force and Pressure :</p> <p>(How, forces are due to interaction, repulsive forces, forces can change state of motion (It can move a stationary object, 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 vibrate), 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)</p>	<p>Synthetic Fibres and Plastics: Introduction, Definition of fibre, Types of fibres on the basis of source- natural and synthetic, source of natural fibres and synthetic fibres (Polymerisation - condensation and addition, cellulose as polymer, Properties and uses of Rayon, Nylon, Strength of different fibres, Polyester, Acrylic, Advantages and disadvantages of synthetic fibre</p>	<p>Crop Production and Management (Introduction to Irrigation)</p>	Rational Numbers	<p>Nouns & Pronouns, Non-Forme Forme of Verbs</p>	<p>How, When & Where, From Trade to Territory, Resources</p>	<p>Verbal Series, Non Verbal Series</p>	
2	Minor Test - 2	23 June 2024	<p>Force and Pressure :</p> <p>(Pressure: formula and unit, pressure exerted by liquids and gases, pressure and depth, atmospheric pressure, rising friction)</p> <p>Friction :</p> <p>(Frictional force, its direction, sign, magnitude, the factor of friction, types of friction)</p>	<p>Synthetic Fibres and Plastics: Definition, Types of plastic- Thermoplastics, Thermosetting plastics, Plastics with lesser environment, Plastics with zero leaker</p> <p>Metals & Non-metals: Physical properties of metals & Non-metals, Proper storage and uses of plastics</p> <p>Plastics and the environment-Problems and solutions associated with plastic disposal</p>	<p>Crop production and management- Agricultural practices(Advantages of Irrigation to Irrigation), Animal Husbandry</p>	Squares and Square Roots, Cubes and Cube Roots	<p>Subject - Verb Agreement, Synonyms and Antonyms</p>	<p>Ruling the countryside, Understanding socialism, The Indian Constitution</p>	<p>Coding & Decoding, Dot Situation</p>	
3	Minor Test - 3	07 July 2024	<p>Friction:</p> <p>(Factors on which friction depends, static friction, sliding friction, friction a necessary evil, necessity of friction in different cases, rolling friction, friction and energy, fluid friction, reducing friction Ball bearings, air cushion, aerodynamics), increasing friction)</p>	<p>Metals and Non-metals: Introduction, Occurrence of Metals & Non-metals, Physical properties of metals & Non-metals, Proper storage and uses of plastics</p> <p>Conductivity (with exceptions), Semiconductors</p>	<p>Microorganisms : Friends and Foe Major types of microorganisms, Monocrop as Friends- Population of cell (Direct count, cell size and these Commercial use of microorganisms in industry</p>	Exponents and powers, Linear equation in one variable	<p>Tenses</p>	<p>Land, Soil, Water, Natural Vegetation and Wildlife Resources, Mineral and Power Resources, Understanding Laws</p>	<p>Number, Ranking & Time Sequence Test, Logical Sequence of Words, Mathematical Operation</p>	
4	Minor Test - 4	21 July 2024	<p>Sound :</p> <p>(Introduction of sound, sound is produced by vibrating body, jet, tuning, amplitude of vibrating particle, wave motion, Sound needs medium for propagation, factors on which speed of sound depends, echo/sound, sound produced by humans, frequency of vibrating body)</p>	<p>Metals and Non-metals: Chemical Properties Reaction of metals with Oxygen, Reaction of metals with water, Nature of Oxides, Reaction with Acids</p>	<p>Microorganisms : Friends and Foe - Agricultural use of microorganisms Nitrogen cycle, Molecular use of microorganisms in clearing in the environment, Microorganisms as bio-fertilizer</p>	Understanding Quadrilaterals, Introduction to Graphs and Data Handling	<p>Active and Passive Voice</p>	<p>Why do we need a Parliament, Tribals, Dign & the Vision of the Golden Age</p>	<p>Direction Sense Test, Completion of Incomplete Pattern, Spotting out the Embedded Figure</p>	
5	Minor Test - 5	28 July 2024	<p>Sound:</p> <p>(The human ear, time period of a vibrating particle, audible and inaudible sounds, Characteristics of audible sounds (pitch, loudness, quality), noise and noise pollution, sources of noise pollution, effects of noise pollution, measures to limit noise pollution, hearing impairment, hearing aid)</p>	<p>Metals and Non-metals: Reaction of metals with bases, displacement reaction, Use of metals & non-metals</p>	<p>Conservation of Plants and Animals</p>	Playing with Numbers	<p>Prepositions, Phrasal Verbs, Error Spelling</p>	<p>Understanding Our Criminal Justice System, When Pyramids Rebel, Judiciary</p>	<p>Alphabet Test, Alpha-Numeric Sequence Puzzle, Mirror & Water Image</p>	
6	Advance Test - 1	04 August 2024	<p>Force and Friction</p>	<p>Nomadic Materials</p>	<p>Crop Production and Management, Microorganisms - (Introduction to Vaccines)</p>	Number System, Squares and Square Roots, Cubes and Cube Roots, Exponents and powers, Linear equation in one variable	NA	NA	<p>Verbal Series, Non Verbal Series, Coding & Decoding, Dot Situation, Number, Ranking & Time Sequence</p>	
7	Advance Test - 2	11 August 2024	<p>Thrust and Pressure, Waves and Sound</p>	<p>Metals and Non-metals</p>	<p>Microorganisms - (Use in Agriculture to Food Preservation), Conservation of Plants and Animals</p>	Quadrilaterals, Data Handling, Lines and Angles, Triangles	NA	NA	<p>Direction Sense Test, Completion of Incomplete Pattern, Spotting out the Embedded Figure, Logical Sequence of Words, Alphabet Test, Alpha-Numeric Sequence Puzzle, Mirror & Water Image</p>	
8	Major Test - 1	18 August 2024	NA	NA	NA	Full syllabus of Set 1	NA	NA	NA	
9	Major Test - 2	25 August 2024	Full syllabus Set-1	Full syllabus Set-1	Full syllabus Set-1	NA	NA	NA	NA	
10	Major Test - 3	01 September 2024	NA	NA	NA	Full syllabus Set-2	NA	NA	NA	
11	Major Test - 4	15 September 2024	NA	NA	NA	NA	Full syllabus of Set-2	NA	NA	
12	Minor Test - 1	29 September 2024	<p>Chemical Effects of Electric Current</p> <p>(Introduction, Conductivity in solids, LDC, Conductivity in liquids, Dependent Experiment, Acids, Bases, Salts, Electrolysis Reaction, Electrolysis, Electrolysis of Copper Sulphate, Electrolysis of Water, Why petrol conducts electricity, Petrol purity experiment, Electrolysis, Electrolysis: Some Natural Phenomena (lightning introduction, frictional electricity))</p>	<p>Coal and Petroleum: Introduction, Natural Resources, Fuel, Coal, Petroleum</p>	<p>Cell - Discovery of cell, Validity of cell theory, Cell size, Cell shape, Levels of organization Structure of Cell (1) Cell membrane (2) Cytoplasm</p>	Algebraic Expression, Identifying and Factorization	<p>The Internet, Adverts</p>	<p>Civicking the 'Native' Educating the Nation</p>	<p>Logical Venn Diagram, Verbal & Non Verbal Analog & Classification</p>	
13	Minor Test - 2	06 October 2024	<p>Some Natural Phenomena</p> <p>(Modern theory of electric charges, Interaction between charges, Charging by induction, Transfer of charge, Leaf electroscope, Lightning Introduction, Why clouds get charged, Why it becomes a conductor during lightning, Lightning safety rules, Lightning conductor, Earthquake Structure of Earth, How earthquake occurs - Stress, Strain, Faults & its types, Earthquake waves, Seismograph, Richter scale, Protection against earthquake)</p>	<p>Coal and Petroleum: Natural Gas, Conservation of Fossil Fuels, Combustion and Flame: Introduction, Combustion, Conditions Required for Combustion, How it can be controlled, Types of Combustion</p>	<p>Cell: Cell Organelles and their functions- Mitochondria, Golgi Bodies, Lysosomes, Ribosomes and Vacuoles, Nucleus, Difference between Prokaryotes and Eukaryotes, Difference between Plant cell and animal cell.</p> <p>Reproduction in Animals - Introduction, Modes of Reproduction</p>	Direct and Inverse Proportions	<p>Conjunctions, Best Word Vocabulary</p>	<p>Understanding Marginalisation, Confronting Marginalisation, Women, Caste and Reform</p>	<p>Block Rotation, Paper Folding & Paper Cutting</p>	
14	Minor Test - 3	13 October 2024	<p>Light</p> <p>(Sources of light, Objects, Luminous, Non luminous, Transparent, Translucent, Opaque, Absorption, Transmission, Reflection, Properties of light, Reflection of light, Beam, Rays related to reflection of light, Laws of reflection, Reflection from Plane mirrors - Image formation, Lateral inversion, Types of reflection, Periscope, Multiple images - Kaleidoscope, Dispersion of white light.)</p>	<p>Combustion and Flame: Flame, What is Fuel, Fuel Efficiency, Harmful Effects of Burning Fuels</p>	<p>Reproduction in Animals - Asexual Reproduction</p> <p>(A) Asexual Reproductive Organs, (B) Female Reproductive Organs, Fertilisation, Types of Fertilisation, Internal Fertilisation (B) External Fertilisation Development of Internal Fertilisation in ferns, Viviparous and Oviparous - Young ones to adult</p>	Practical Geometry, Comparing Quantities	<p>Reported Speech, Idioms & Phrases</p>	<p>Agriculture, Public Facilities, Law and Social Justice</p>	<p>Inserting the Missing character/Figure matrix</p>	
15	Minor Test - 4	20 October 2024	<p>Light</p> <p>(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, Contact lens)</p>	<p>Pollution of Air and Water: Introduction, Types of Pollution, Acid Rain, Ozone Depletion, Green House Effect, Prevention of Air Pollution</p>	<p>Reproduction in Animals - Asexual Reproduction</p> <p>(A) Asexual Reproduction (A) Budding (B) Binary Fission (C) Other Methods of Asexual Reproduction, Reaching the Age of Adolescence - Introduction - Puberty, Changes At Puberty</p>	Visualising Solid Shapes, Mensuration	<p>Phrases & Clauses, Gap Filling</p>	<p>The Making of National Movement - 1870 - 1947</p>	<p>Dice & Cube, Analytical Reasoning</p>	
16	Minor Test - 5	27 October 2024	<p>Universe:</p> <p>(Solar system objects, Moon- tidal locking, Orbital path 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)</p>	<p>Pollution of Air and Water: Water Pollution, Potable Water, Wastages of Air Pollution</p>	<p>Reaching the Age of Adolescence: Endocrine Glands- Pituitary gland, Thyroid gland, pancreas, Role of hormones in inducing reproductive function, Reproductive phase of life in Humans, Reproductive Health, AIDS- Causes of AIDS, How to prevent AIDS/STIs</p>	Mensuration	<p>Determiners & Articles, Modals</p>	<p>Industries, Human Resources</p>	<p>Puzzle Test - Figure Formation, Construction of Square & Grouping of Identical Figures</p>	
17	Advance Test - 1	10 November 2024	<p>Universe: Chemical Effects of Current</p>	<p>Fuels and It's Combustion</p>	<p>Cell</p>	Algebraic Expression, Identifying and Factorization, Mensuration, Ratio and Proportion, percentages, Profit, Loss and Discount	NA	NA	<p>Mathematical Operation, Logical Venn Diagram, Verbal Analog & Classification, Non Verbal Analog & Classification, Blood Relation, Paper Folding & Paper Cutting</p>	
18	Advance Test - 2	17 November 2024	<p>Light, Universe</p>	<p>Pollution of Water and Air, General Chemistry</p>	<p>Adolescence and Reproduction</p>	Perimeters, Measures and Angles, Simple and Compound Interest, Time, Speed and Distance, Simple Method, Time and Work, Place and Columns, Problem On Age and Numbers	NA	NA	<p>Inserting the Missing Character, Dice & Cube, Analytical Reasoning, Puzzle Test, Mathematical Reasoning - Figure Matrix, Figure-formation, Construction of Square & Grouping of Identical Figures</p>	
19	Major Test - 1	01 December 2024	NA	NA	NA	Full syllabus of Set-2	NA	NA	NA	
20	Major Test - 2	08 December 2024	Full syllabus Set-2	Full syllabus Set-2	Full syllabus Set-2	NA	NA	NA	NA	
21	Major Test - 3	15 December 2024	NA	NA	NA	Full syllabus Set-2	NA	NA	NA	
22	Major Test - 4	22 December 2024	NA	NA	NA	NA	Full syllabus of Set-2	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 DGT.ALLEN.AC.IN
 3. ADVANCE TEST WILL BE BASED ON OLYMPAD DOWNLOAD