

TARGET : CLASS 9

Minor Test No.	Test Type	Test Date	TARGET : CLASS 9						Mental Ability
			Physics	Chemistry	Biology	Maths	English	SST	
1	Minor test 1 (OMR based)	11/06/2017	Motion : Motion, Types of motion with examples, Concept of point object or particle, Rest & motion are relative terms, Origin or reference point, Scalar & vector quantities with examples, Distance & displacement , Uniform & non-uniform motion,Speed - uniform, non-uniform, average, instantaneous, Cases of half-journey, Velocity - uniform, non-uniform, average, instantaneous velocity	Matter in Our Surroundings-definition of matter , physical and chemical classification of matter , Physical nature of matter (continuous,particulate) Activity to show -Matter is made of particles & Size of particles ,Characteristics of particles of matter(Particles of matter have space between them,Particles of matter are continuously moving, Particles of matter attract each other)	Cell:Discovery of cell,Structure of cell:Cell membrane,cell wall.	Number System : Rational numbers, Rational number between two numbers, Rational numbers : Rational number between two numbers, Rational numbers: Decimal expansion of rational numbers, Rational numbers: Method to convert non-terminating decimal to the form p/q form, Pure recurring Decimal Mixed recurring decimals, Irrational numbers, Real Numbers	How I taught My Grandmother to Read, Subject - Verb Agreement, Omission Exercises	The French Revolution- French Society during the late 18th Century, French Society during the Old regime, The Outbreak of Revolution, , France becomes a Constitutional Monarchy, The declaration of roghts of man and citizens, Reading political symbols, France abolishes monarchy and becomes a republic, Formation of Jacobin Club, Did women have a revolution, The abolition of slavery, The revolution and everyday life, Conclusion, Legacy of French Revolution	Verbal Series
2	Minor test 2 (OMR based)	25/06/2017	Motion : Acceleration - uniform, non-uniform, accelerated & retarded motion , 1st equation of motion , 2nd equation of motion,3rd equation of motion, Graphical representation of motion - distance/ displacement-time graph, speed/ velocity-time graph	Matter in Our Surroundings-States of matter - Characteristics of Solids , liquids & Gases,Effect of temperature on stateof matter - Latent heat of fusion and vaporization,Effect of pressure on states of matter .	Cell:Nucleus,Cytoplasm,Cell organelles, Differences between plant cell and animal cell.Differences between prokaryotes and eukaryotes.	Number System : Representation of real numbers on the number line by means of magnifying glass, Representation of irrational numbers on the number line, Operations on real numbers, Method to find square root of x for any given positive real number x geometrically, Some identities using radical sign, Laws of exponents	How I taught My Grandmother to Read, The Brook, Editing Passages based on Tenses, Conditionals, Letter Writing (Formal and Informal), Gulliver's Travels Part -I (Ch-1 to 4), Three Men in a Boat (Ch 1 to 3)	India- Size & Location- India and the world, India's neighbours, Democracy in the Contemporary World-Two tales of Democracy, Restoration of Democracy, Democracy in Poland, The Changing map of Democracy., Phases in the expansion of Democracy, The beginning, End of Colonialism, Recent Phase, Democracy at the Global Level, International Organisations, Are these decisions democratic, Democracy promotion	Coding - Decoding
3	Minor test 3 (OMR based)	09/07/2017	Motion : Equations of motion by graphical method, Uniform circular motion - angular displacement, angular velocity, centripetal acceleration; Chapter-2 Force & Laws of Motion : Types of forces - contact, non-contact, Effects of force	Matter in our surroundings -definition of matter , physical and chemical classification of matter , Physical nature of matter (continuous,particulate) Activity to show -Matter is made of particles & Size of particles ,Characteristics of particles of matter(Particles of matter have space between them,Particles of matter are continuously moving, Particles of matter attract each other) States of matter - Characteristics of Solids , liquids & Gases,Effect of temperature on stateof matter - Latent heat of fusion and vaporization,Effect of pressure on states of matter , Evaporation-factors affecting the evaporation,uses of evaporation in every day life, evaporation causes cooling, Plasma, BEC	Tissues:Definition,Plant tissue.(upto phloem)	Polynomials : Polynomial in one variable, Degree of polynomials, Zeroes/Roots of polynomial/equation, Remainder theorem, Factor Theorem	A Dog Named Duke, Modals, Basic Vocabulary (Synonyms & Antonyms)	Physical features of India- Theory of Plate Tectonics, Formation of Himalayas and the Northern Plain, The Himalayan Mountains - Himadri, Himachal, Shiwaliks, Himalayan division on the basis of regions from west to east, Purvanchal, The Northern Plains Ganga-Brahmpautra plains, division according to the variations in relief features., The Peninsular Plateau - Eastern and Western Ghats, The Indian Desert, The Coastal Plains, The Islands	Verbal Analogy, Non-Verbal Analogy

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4	Minor test 4 (OMR based)	23/07/2017	Force & Laws of Motion : Net force, Balanced and unbalanced forces, Equilibrium, Galileo's inclined planes, Concept of inertia, Newton's 1st law of motion, Types of inertia with examples, Linear momentum, Newton's 1st law of motion, Types of inertia with examples, Linear momentum, Newton's second law of motion	Is matter around us pure -definition and characteristics of pure substance and impure substance ,types of mixtures - homogeneous and heterogeneous activity to describe the properties of true solution, colloides , suspension ,Characteristics of solution ,Alloys ,concentration of solution-mass / mass percentage,mass/volume percentage,volume/volume percentage	Tissues;Protective tissue,Animal tissue,Epithelial tissue,Connective tissue-Loose connective and adipose tissue,Fluid Connective tissue.	Polynomials : Factorisation of polynomials(By splitting the middle term) Factorisation of quadratic and cubic polynomial by factor theorem, Algebraic identities	A Dog Named Duke, The Road Not Taken, Process Writing, Article Writing, Diary Entry, Gulliver's Travels Part -II (Ch-5 to Ch-8), Three Men in a Boat (Ch-4 & Ch-5)	Nazism and the rise of Hitler- The Birth of Weimer Republic, The effects of the war Political Radicalism and Economic Crisis, The years of depression Hitler's Rise to Power, The Destruction of Democracy, Reconstruction The Nazi Worldview, Establishment of the Racial State, The Racial Utopia, Youth in Nazi Germany, The Nazi Cult of Motherhood The Art of Propaganda, Ordinary People and the Crimes against Humanity, Knowledge about the Holocaust	Verbal Classification, Non - Verbal Classification
5	Minor test 5 (OMR based)	06/08/2017	Force & Laws of Motion : Newton's second law of motion with examples/ applications, Newton's third law of motion with examples/ applications , Law of conservation of momentum;	Is Matter Around Us Pure- definition and characteristics of pure substance and impure substance ,types of mixtures - homogeneous and heterogeneous activity to describe the properties of true solution, colloides , suspension ,Characteristics of solution ,Alloys ,concentration of solution-mass / mass percentage,mass/volume percentage,volume/volume percentage,types of solution on the basis of concentration,solubility ,characteristics of suspensions ,characteristics properties of colloidal solution ,	Tissues:Complete,Improvement in food resources: Improvement in crop yield,(upto fodder crops)	Introduction to Euclid's Geometry : History - Euclid and geometry in India, Euclid's axioms and postulates, A statement as a theorem, Equivalent versions of Euclid's fifth postulate, Co-ordinate geometry : Cartesian co-ordinate system - Cartesian plane, Ordered pair, Quadrants, Coordinate of a point (or Cartesian coordinates), Coordinate of a point in the Cartesian plane, Points on axes	The Solitary Reaper, Connectors, Commonly Used Phrasal Verbs	Story of Village Palampur-"Overview About palampur village, "Orgainsation of production" Farming in Palampur - fixed land, how to grow more from the same land, green revolution. " Will the land sustain - distribution of land" Labour - who will provide the labour" " Capital needed in farming" Non farm acitvities" Nazism & the Rise of Hitler	Number,Ranking & Time Sequence Test
6	Minor test 6 (OMR based)	20/08/2017	Force & Laws of Motion : Law of conservation of momentum; Chapter-3 Gravitation : Newton's Universal law of gravitation, Characteristics of gravitational force, Centripetal force, Why Moon doesn't fall on Earth	Is Matter Around Us Pure-Separation techniques - Evaporation, centrifugation, separating funnel, sublimation, Chromatography,Distillation,	Improvement in food resources: Improvement in crop yield,crop variety improvement,crop production management(upto cropping pattern).	Co-ordinate geometry : Plotting of points, Lines and Angles : Intersecting lines and non-intersecting lines, Pairs of angles, Parallel lines and transversals, Proving lines parallel, Angle sum property of a triangles, Exterior angle of a triangles (Theorem)	The Solitary Reaper, Lord Ullin's Daughter, Reported Speech, Speech Writing, Debate Writing, Gulliver's Travels Part -II (Ch-1 to Ch-4), Three Men In a Boat (Ch-6 to Ch-8)	People as Resource - Overview, Economic activities by Men and Women Quality of Population - Education, Health, Unemployment What is Democracy ? Why define Democracy ?- A simple Definition. Features of Democracy, Major decisions by elected leaders Free and fair electoral competition, One person, One vote, One value, Rule of law and respect for Rights, Summary definition Why Democracy ? Arguments against Democracy, Arguments for Democracy, Broader meanings of Democracy	Alphabet Test, Alpha- Numeric Sequence Puzzle

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			Physics	Chemistry	Biology	Maths	English	SST	
7	Minor test 7 (OMR based)	03/09/2017	Gravitation : Kepler's laws of planetary motion , Free fall, Acceleration due to gravity on a planet, Equations of motion of a freely falling body	Is Matter Around Us Pure-Separation techniques- Evaporation, centrifugation, separating funnel, sublimation, Chromatography,distillation,fractional distillation, fractional distillation of air, Crystallisation,treatment of water	Improvement in food resources, Complete	Triangles : Congruency of Triangles, Criteria for Congruence of Triangle - SAS congruence criterion, Criteria for Congruence of Triangle -Criteria for Congruence of Triangle, Properties of an isosceles triangles, Properties of an isosceles triangles	Gap Filling Based on Prepositions, Articles and Determiners, News Headlines	Drainage- Drainage systems in India The Himalayan Rivers - Indus, Ganga and Brahmaputra The Peninsular Rivers - Narmada, Tapi, Godavari, Mahanadi, Krishna, Kaveri Lakes, Role of rivers in the Economy, River Pollution French Revolution	Inserting The Missing Character, Non-Verbal Series
8	Minor test 8 (OMR based)	17/09/2017	Gravitation : Equations of motion of a freely falling body Mass, Weight, Variation of 'g' & weight of an object, Weightlessness, Weight of an object on Moon	Is Matter Around Us Pure- Separation techniques--definition and characteristics of pure substance and impure substance ,types of mixtures -homogeneous and heterogeneous activity to describe the proprties of true solution, colloides , suspension ,Characteristics of solution ,Alloys ,concentration of solution- mass / mass percentage,mass/volume percentage,volume/volume percentage types of solution on the basis of concentration,solubility ,characteristics of suspensions ,characteristics properties of colloidal solution ,Separation techniques-Evaporation, centrifugation,separating funnel,sublimation,Chromatography, distillation,fractional distillation, fractional distillation of air, Crystallisation,treatment of water,Physical and chemical changes,Typ[es of pure subsatances - Element (metals and non-metals), compound	Cell,Tissue,Improvement in food resources	Triangles : Inequalities in a triangle, Heron's Formulae : Heron's formulae, Applications of Heron's formulae in finding the area of a quadrilateral	Villa For Sale, Jumbled Words, Dialogue Completion	Constitutional Design -Democratic Constitution in South Africa, Struggle against apartheid, Towards a new Constitution, Why do we need a Constitution Making of the Indian Constitution - The path to Constitution, The Constituent Assembly Guiding values of the Indian Constitution, The Dream and the Promise, Philosophy of the Constitution, Institutional Design Story of Village Palampur	Direction Sense Test, Mirror & Water Image
9	Minor test 9 (OMR based)	01/10/2017	Thrust and Pressure (Thrust, Pressure, Pressure in a fluid-Pascal's law, hydraulic lift, Density, Relative density)	Atoms and molecules - Introduction , laws of chemical combination , law of conservation of mass , law of definite proportions, Dalton's atomic theory - postulates and drawbacks	Diversity in Living Organisms - Introduction, Classification,- Classification and evolution, Binomial nomenclature, Kingdom systems, Charecteristic of five Kindoms, Kingdom - monera, Kingdom - Protista, Kingdom -Fungi ,Kindom -Plantae, Kingdom - Animalia	Linear Equations in two variables (Complete) Quadrilaterals (Quadrilateral, Constituents of a Quadrilateral, Quadrilateral in practical life, Some related terms to Quadrilateral, Types of Quadrilateral)	The Man Who Knew Too Much, Integrated Grammar Exercises (Editing)	Forest, Society and Colonialism: Advantages of forests,Why deforestation ? - a. Land to be improved, b. Sleepers on Tracks, c. Plantations, The rise of commercial forestry-a. Deitric Brandis, b. Scientific Forestry, c. Forest Act, d. How were thelives of people affected ?, e. How did forest rules affect cultivation ?, f. Who could hunt ?,Effects of the new forest laws on Nomadic and Pastoralist Communities-a. New trades, new employments and new services, b. Impact of various forest laws on the colonial people, Rebellion in the forest-a. The people of Bastar, b. The fears of the people, Forest transformation in Java-a. The woodcutters of Java, b. Dutch Scientific Forestry, c. Samin's Challenge, War and Deforestation, New developments in Forestry.	Logical Venn diagram, Dot Situation

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			Physics	Chemistry	Biology	Maths	English		
10	Minor test 10 (OMR based)	15/10/2017	Thrust and Pressure (Buoyancy, Its cause, Archimedes' principle & its applications, Apparent weight, Sinking & floating, Floatation of metal ships, Finding relative density of a solid using Archimedes' principle, Melting of ice floating on water); Work & Energy (Work)	Atoms and molecules - Atom , atomic symbols , Atomic masses , How do atoms exit ? -elements of compounds and molecules of compounds,What is an ion , valency of some cations and anions, writing chemicl formula	Diversity in Living Organisms (Kingdom Plantae to Phylum Platyhelminthes) - Kingdom Plantae, Classification of Plants Thallophyta, Bryophyta, Pteridophyta, Gymnosperm, Angiosperm, Kingdom animalia, Phylum Porifera, Phylum Cnidaria or Coelenterata, Phylum Platyhelminthes (Flatworms)	Quadrilaterals (Angle sum Property of a Quadrilateral, Properties of paralleogram, Mid point theorem, Converse of mid point theorem) Area of Parallelograms and triangles (Figures on the same base and between the same parallel, Theorems related to area of Parallelograms)	Keeping it From Harold, Integrated Grammar Exercises (Gap Filling)	Peasants and Farmers: Introduction,The coming of modern agriculture in England, The time of open fields and commons,Enclosures and Enclosure Movements-Causes,The Age of Enclosures, What happened to the poor, The introduction of threshing machines,Impact of modern agriculture on England-a. Bread Basket and Dust Bowl(USA), b. The westward move and wheat cultivation, The coming of new technology, In 1931- Cyrus McCormick invented the first mechanical reaper, Wha thappened to the poor, Dust Bowl,The indian farmer and opium production, A taste for tea: The Trade with China,Where did the opium come from, Unwilling cultivators were made to produce Opium. Electoral Politics: Why elections?, Why do we need Elections?, What are Elections?, What makes an election democratic ?,Political competition-a. Advantages, b. Disadvantages, System of Elections in India-a. Electoral constituencies, b. Reserved Cnstituencies, c. Voter's List, d. Nomination of candidates, Educational Qualifications for the Candidates, Election Campaigns, Techniques and methods adopted in Election Campaigns, Are the Elections expensive?, What makes Indian Elections democratic?, Challenges to the free & fair elections	Blood Relation ,Logical Sequence of Words , Figure Matrix , Figure Formation & Grouping of Identical Figure
11	Minor test 11 (OMR based)	29/10/2017	Work & Energy (Work, Positive & negative work, Work done against gravity, Energy, Kinetic energy, Work-energy theorem)	Atoms and molecules -writing chemicl formula, molecular mass and formula unit mass,Mole concept	Diversity in living organisms-Kingdom Animalia - complete (phylum nematoda to kingdom Animalia, class mammalia)	Area of Parallelograms and triangles (Complete) Construction (complete)	The Man who Knew Too Much, Keeping it from Harold, The Seven Ages, Integrated Grammar Exercises (Editing, Gap-Filling, Jumbled Words)	Working of Institutions: How is the major policy decision taken?,-a. A Government Order, b. Who are the decision makers, Need for the political Institutions, The Parliament-a. The role of the Parliament, b. Why do we need a Parliament ?, Two Houses of the Parliament,a. Lok Sabha, b. Rajya Sabha, Lok sabha exercises supreme power, Political executives, Who is more powerful?,a. Prime Minister and Council of Ministers, b. Council of Ministers, c. Power of PM, d. Coalition Government, President of India, The judiciary-a. The Supreme Court controls the judicial administration in the country, b. Appointments Poverty as a Challenge: Introduction, Two typical cases of poverty-a. Urban Cases, b. Rural cases, ,Assessment of the two cases of poverty,Poverty as seen by social scientists-a. Social Exclusion, b. Vulnerability, Poverty Line, Poverty Estimates, Vulnerable groups, Inter-State disparities,Global poverty scenario, Causes of poverty, Anti-poverty measures,Anti-poverty alleviation program, The challenges ahead	Blood Relation , Sitting Arrangement , Completion of Incomplete Pattern
12	Minor test 12 (OMR based)	12/11/2017	Work and Energy (Potential energy- gravitational & elastic, Law of conservation of energy, Power, Commercial unit of energy, Kinetic energy-momentum relationship);)	Structure of atom- Introduction , discovery of electrons , properties of cathode rays , determination of charge and mass on electron	Why do we fall ill ?- Introduction, Basic conditions for Good health, Diseases-Symptoms, Signs,Types of diseases - on the basis of duration, Disease and its cause , Types of Diseases ,Infectious diseases,Table - Means of spread of infectious diseases	Surface Areas and Volumes (Complete)	Best Seller, Integrated Grammar Exercise (Reported Speech)	Climate: Weather & Climate, Climate of India,Climate Controls, Factors affecting the Climate of India,The Indian Monsoon, The onset of Monsoon & withdrawal,The Seasons,Distribution of rainfall, Monsoon as a unifying bond, Natural Vegetation and Wildlife(till Types of vegetation): Introduction,Relief-a. Land, b. Soil, Climate-a. Temperature, b. Photoperiod, c. Precipitation, Why Forest are important for human being?, Ecosystem,Types of Vegetation	Sitting Arrangement , Completion of Incomplete Pattern , Arithmetical Reasoning

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13	Minor test 13 (OMR based)	26/11/2017	Sound (Wave motion, Mechanical & non-mechanical waves, Amplitude & equilibrium position, Transverse & longitudinal waves, Wavelength, time period, frequency, wave speed, Propagation of sound)	Structure of Atom - discovery of protons,Thomson model of an atom, Rutherford model of an atom ,	Why we do fall ill? (Complete)	Statistics(complete)	Best Seller, Oh, I wish I'd Looked after Me Teeth, Integrated Grammar Exercise (Reported Speech, News Headlines)	Natural Vegetation and Wildlife(From Wildlife): Wildlife,Conservation Measures History and Sport and Story of Cricket: Introduction,The importance of cricket in the modern times, Invention of cricket & its spread,The historical development of cricket-a. The peculiarities ofTest Cricket, b. There were certain features of this game that made it different than other games,Laws of Cricket,Marylebone Cricket Club, Cricket's connection with rural past, Important changes that occurred in the game of cricket during the 19th century, Cricket and Victorian England,The rich were armatures for two reasons, Cricket a batsman's game, The spread of Cricket-a. Cricket, race and religion, b. Plawankar Baloo, c. Mahatma Gandhi's views on cricket, The modern transformation-a. The name of ICC was changed from the Imperial Cricket Conference to the International Cricket Conference, b. The impact of decolonisation on Cricket, Commerce,media and cricket today-a. Contribution of Kerry Packer in the development of Cricket, b. Impact of media on cricket,c. Th centre of gravity in cricket has shifted away from the old	Arithemetical Reasoning ,Mathematical Operation,Spotti ng Out the Embedded Figure
14	Minor test 14 (OMR based)	10/12/2017	Sound (Factors affecting speed of sound, Graphs of transverse & longitudinal waves, Audible & inaudible sounds, Infrasonic & ultrasonic sounds, Characteristics of audible sounds-pitch, loudness, quality, Tone & note, Subsonic & supersonic speed, Sonic boom)	Structure of Atom - Bohr's model of an atom , Discovery of neutrons , Atomic number and mass number,Distribution of electrons in different orbits,Valency of elements, isotopes, applications of isotopes,calculation of atomic mass of an element from the mass number of its isotopes	Natural Resources - Introduction, Natural resources , The breath of life : air, Air pollution, Water-a wonder liquid, Water pollution, Soil, Soil pollution, Biogeochemical cycles	Circles (complete)	The Bishop's Candlesticks, Integrated Grammar Exercises (Omission)	Population: Population, Importance of studying population , Population size & distribution- a. population growth, b. Birth Rate, c, Death rate, d. Migration, e. Age Composition, f. Sex Ration, g. Literacy rates, h. Occupationaa Structure, i. Health , National Population Policy Food Security : Food Security, Why food security?,How is food security affected during a calamity?,Who are food insecure?-a. Social composition, b. Prone areas of food insecure,Hunger-a. Chronic hunger, b. Seasonal hunger, Self sufficiency of food grain, Food security in India-a. Buffer Stock, b. Minimum support price, Three important food intervention programmes-a. National Food For Work Programme,b. Current status of PDS, c. AAY, d. Advantages of PDS, e. Disadvantages of PDS, Role of cooperatives in food security, Green Revolution & production of more food grains, Problem of the working of the ration shops	Mathematical Operation,Spotti ng Out the Embedded Figure, Analytical Reasoning , Paper Folding & Paper Cutting
15	Minor test 15 (OMR based)	24/12/2017	Sound (Laws of reflection, Echo, Reverberation, Applications of reflection of sound, Applications of ultrasound, SONAR, Working of human ear)	Some important topics : Formula writing, Law of constant proportion, average atomic mass,Law of conservation of mass, Mole concept, isotopes,Rutherford's model, cathode rays	Natural Resources - Nitrogen cycle,Carbon Cycle, The green house effect,The Oxygen cycle, Ozone layer	Probability (Complete) Surface Areas and Volumes (Complete)	Song of the Rain, Integrated Grammar Exercises (Dialogue Completion)	Democratic Rights: Introduction, Life without rights,Citizen's rights in Saudi Arabia, Ethnic massacre in Kosovo,Rights in Democracy - What are rights?, Why do we need rights in Democracy?, Rights in Indian Constitution,Fundamental Rights-a. Right to equality, b. Right to freedom, c. Right to life and personal liberty, d. Right against exploitation, e. Right to freedom of religion, f. Cultural and educational rights, How can we secure these rights?, National Human Rights Commission,Expanding scope of rights, International covenant on economic, social & cultural rights	Dice & Cube

Minor Test No.	Test Type	Test Date	Subject	Syllabus (CLASS - 9)
1	Major Test No.1 (Subjective)	07/01/2018	MATHS	Full Syllabus
2	Major Test No.2 (Subjective)	14/01/2018	SCIENCE	Full Syllabus
3	Major Test No.3 (Subjective)	21/01/2018	ENGLISH	Full Syllabus
4	Major Test No.4 (Subjective)	28/01/2018	SST	Full Syllabus
5	Major Test No.5 (Subjective)	04/02/2018	MATHS	Full Syllabus
6	Major Test No.6 (Subjective)	11/02/2018	SCIENCE	Full Syllabus
7	Major Test No.7 (Subjective)	18/02/2018	ENGLISH	Full Syllabus
8	Major Test No.8 (Subjective)	25/02/2018	SST	Full Syllabus