

**TARGET : SA-2 (CLASS 10)**

Minor Test No.	Test Type	Test Date	Physics	Chemistry	Biology	Maths	English	SST	Mental Ability
1	Minor test 1 (FA type, OMR based)	13-Nov-16	Optics : Reflection of Light (Light - sources, nature, properties, Production of electromagnetic (EM) waves, EM & visible light spectrum, Objects - luminous, non- luminous, opaque, transparent, translucent, point, extended, Types of images, Shapes of beam of light, Reflection of light - phenomenon, basic terms, laws, types, Reflection from plane mirror - image properties, Spherical mirrors - types, basic terms, Concave & convex mirrors - rules to obtain images, image formation by concave mirrors)	Carbon and its compounds - covalent bonding , necessary conditions for covalent bond , classification of covalent bond , formation of covalent compounds , characteristics of covalent compounds , allotropes of carbon - diamond , graphite , fullerene	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	Quadratic Equations (Complete)	The Shady Plot, Integrated Grammar Exercises (Reported Speech)	The Rise of Nationalism in Europe: The theme of Fredrich Sorreiu's painting, The French Revolution and the idea of a Nation- a. Steps taken by French revolutionaries to develop the ideas of nation state, b. French revolutionaries towards the rest of Europe, c. Role of Napoleon-Civil Code of 1804, d. Drawbacks of Napoleonic Code, The making of Nationalism in Europe- a. The aristocracy and the new middle class, b. Liberal Nationalism, c. A New Conservatism after 1815- Major proposals of the Vienna Congress, d. The Revolutionaries, Guiseppe Mazzini, Age of Revolution 1830-1848 - i. Upehaval in France, ii. Uprisings in Brussels, iii. Uprisings in Greece, The Romantic imagination and National Feeling, Hunger, hardship and popular revolt, 1848: The Revolution of the Liberals, Frankfurt Parliament-Obstacles, Outcomes, The making of Germany and Italy-Unifications, a. Germany, b. Unification of Italy, Stages of Unification, Guiseppe Garibaldi, The Strange Case of Britain, Visualising the Nation, Nationalism and imperialism-Balkan States	Blood Relation , Analytical Reasoning
2	Minor test 2 (FA type, OMR based)	27-Nov-16	Optics : Reflection of Light ( image formation by convex mirrors, uses, Sign convention for reflection by spherical mirrors, Mirror formula, Magnification); Optics : Refraction of Light (Fermat's principle of least time, Refraction of light - phenomenon, basic terms, Snell's law & other laws, Absolute & relative refractive index, )	Carbon and its compounds - Versatile nature of carbon , vital force theory, Saturated and unsaturated compounds , lewis dot structure of organic compounds , general formula of alkane , alkene & alkyne , Chains, branches, rings homologous series, functional groups	How do organisms reproduce- Human reproductive system, Male reproductive system, Female reproductive system, Reproductive health & Heredity and Evolution- Introduction, Gregor Johann Mendel, Mendelian experiment, Advantages of pism sativum, Pair of allelic characters found in garden pea plant, Monohybrid cross, Dihybrid cross, Laws of inheritance	Height and Distance (Complete) Arithmetic Progression ( Sequence, Series and Progression, Arithmetic Progression, General term of an arithmetic progression, rth term of a finite arithmetic progression from the end, Selection of terms in an A.P., Sum of n terms of an arithmetic progression)	Patol Babu-Film Star, Integrated Grammar Exercises (Editing)	Popular Struggles : Popular struggles in Nepal and Bolivia- a. Movement for Democracy in Nepal, b. Bolivia's water war, Democracy and Popular Struggles-Difference between the movements of Nepal and Bolivia, Democracy and decision making-mobilisation and organisations, Pressure groups and movements, Difference between Sectional Interest Groups and Public Interest Groups, Movement Groups, Pressure groups and movements exert influence on politics in a variety of ways, Is this influence healthy ? Money and Credit : Barter system, Money as a medium of exchange, -a. Money as a medium of exchange, b. Advantages of Money, c. Measure of Value, d. Modern forms of Money, e. Money is used a medium of exchange because, Deposits with Bank, - a. Demand deposits, b. Advantages of depositing money in the bank, c. Cheque, d. Advantages, Loan activities of Bank, Importance of Credit, Two different credit situations, Terms of Credit, Loan from Cooperatives, Formal Lender Sources, Unequal distribution of formal sector loans, RBI-Lender of the last resort, The role of formal sector loans in the country's development, Formal Lender Sources, Unequal distribution of formal sector loans, RBI-Lender of the last resort, The role of formal sector loans in the country's development, Self Help Groups (SHG) for the poor-a. Major features of SHGs, b. Importance of SHGs, c. Grameen Bank of Bangladesh	Cube & Dice , Spotting out the Embedded figure
3	Minor test 3 (FA type, OMR based)	11-Dec-16	Optics : Refraction of Light (Refraction through glass slab, Apparent depth, Snell's law & other laws, Absolute & relative refractive index, Refraction through glass slab, Apparent depth, Lens - types, basic terms, rules to obtain images in spherical lenses, image formation by convex lens)	Carbon and its compounds - homologous series, functional groups, Nomenclature of organic compounds - Trivial + IUPAC	Heredity and Evolution- Sex determination, Evolution , Darwinism, Lamarckism, Origin of life on Earth , Variation , Genetic drift, Species and Speciation	Arithmetic Progression (Complete) Construction (Complete)	A Shady Plot, Patol Babu-Film Star, Ozymandias, Integrated Grammar Exercises (Reported Speech, Editing, News Headlines)	Political Parties: Political parties, Functions and need for Political Parties, Need for Political Parties, Party System, -a. One Party system, b. Bi-Party system, c. Multi party system, An Alliance, Political parties in India-a. National Parties, b. State Parties, c. Difference between a National Party and a Regional Party, Introduction to major political parties-a. Indian National Congress (INC), b. Bhartiya Janta Party, c. Bahujan Samaj Party, d. Communist Party of India-Marxist, e. Communist Party of India, Nationalist Congress Party (NCP), State Parties, Challenges faced by Political Parties, How can parties be reformed ? Mineral and Energy Resources : What is a mineral-a. Importance of minerals, b. Classification of minerals, An Ore, Mode of occurrence of minerals, Minerals are very unevenly distributed, Points that make a mineral economically viable, Rat Hole mining, Ferrous minerals-a. Iron Ore, b. Manganese, Non Ferrous Minerals- a. Copper, b. Bauxite, Non Metallic Minerals, Rock Minerals, Mining- A killer industry, Conservation of Minerals , Energy Resources-a. Conventional energy resources, b. Non Conventional resources, Coal-a. Anthracite Coal, b. Bituminous Coal, c. Lignite, d. Peat, Petroleum, Natural Gas, Electricity-a. electricity is generated in mainly two ways, b. Hydro power, c. Thermal Power, d. Nuclear or Atomic Energy, Non Conventional Energy Sources- a. Solar Energy, b. Wind Power, c. Biogas, d. Tidal Energy, e. Geothermal Energy, Conservation of Energy Resources	Blood Relation , Analytical Reasoning, Cube & Dice , Spotting out the Embedded figure
4	Minor test 4 (FA type, OMR based)	26-Dec-16	Optics : Refraction of Light (Lens - image formation by concave lens, uses, Sign conventions for lens, Lens formula, magnification, power of lens)	Carbon and its compounds - Chemical properties of organic compounds - combustion , oxidation , addition , substitution Ethanol - properties and uses	Heredity and Evolution (Complete)	Coordinate Geometry (Complete)	Virtually True, Integrated Grammar Exercises (Omission)	Manufacturing Industries: Manufacturing, Importance of manufacturing, Contribution of agriculture to industry, Contribution of industry to agriculture, Contribution of industry to the National Economy, Factors which influence the location of industries, Agglomeration of Economies, Industrial Location, Classification of the industry-a. On the basis of capital investment, b. On the basis of weight of raw materials and finished goods, c. On the basis of ownership, d. On the basis of source of raw material, e. According to their main role, Agro Based industries- a. Textile industry, b. Cotton textiles, Factors responsible for the high concentration of cotton mills in Maharashtra and Gujarat, Problems of Indian Cotton Textile Industry, Jute Industry, Sugar Industry, Mineral based industries- a. Iron and Steel Industry, b. Aluminium Smelting, c. Chemicals industry, d. Fertiliser Industry, e. Cement Industry, f. Automobile Industry, IT and Electronic Industry, Industrial pollution and environmental degradation, NTPC Globalisation and the Indian Economy (till Globalisation): Production across countries, MNC, Foreign trade and integration of markets, Availability of modern techniques and management, Result of foreign trade, Disadvantages of Multinational Corporations, Globalisation	Mathematical Operation, Arithmetic Reasoning , Logical Sequence of Words

5	Minor test 5 (FA type, OMR based)	15-Jan-16	Human Eye & The Colourful World (Human eye - components, structure, working, roles of various parts of eye, Power of accommodation, near & far point, Importance of two eyes, How we see colours, Colour blindness, Cataract, Myopia.)	Carbon and its compounds - Ethanoic acid-properties and uses, soaps and detergents Periodic classification of elements - Introduction , Dobereiner's triads , newland's law of octaves	Our Environment (Complete)	Probability (Complete) Circles (Complete)	Virtually True, Julius Caesar (Complete), Integrated Grammar Exercises (Omission, Dialogue Completion)	Globalisation (From Liberalisation): Liberalisation, WTO,Positive Impact of Globalisation in India,Negative Impacts of Globalisation in India, The struggle for fair globalisation. Nationalism in India: Effect of First World War on the Indian National Struggle, Gandhian Philosophy, -a. Champaran Satyagraha, b. Satyagraha at Kheda District, c. Ahmedabad Mill Workers Strike, The Rowlatt Act,Rowlatt Satyagraha to Non Cooperation Movement, Non Cooperation Movement, Meaning of Swaraj for different social groups,he Swaraj Party,The radicals, British reaction after the non cooperation movement, The Simon Commission, Lahore Session - December 1929, Why was salt used as an effective symbol to resist Colonialis, The Salt March and the CDM, How participants saw the movement-a. Rich peasants, b. Poor peasants, c. Business Class, d. Industrial Workers, e. Participation of women, What were the limitations of th CDM-a. Untouchables or Dalits, b. Muslim Political Organisations, How did the feeling of nationalism or a collective belonging develop among different communities, Positive and negative aspects of the national struggle	Mathematical Operation,Arithe matical Reasoning ,Logical Sequence of Words	
6	Minor test 6 (FA type, OMR based)	29-Jan-16	Human Eye & The Colourful World (Power of accommodation, Near & far point, Importance of two eyes, How we see colours, Colour blindness, Cataract, Myopia, Hypermetropia, Presbyopia, Dispersion of white light by a prism/glass slab, )	Periodic classification of elements - Mendeleev's periodic table + Modern Periodic law,modern periodic table	Management of Natural Resource-, Introduction , Conservation , 3R Formula for conservation, Why do we need to manage our resources, Forest and wild life , Stake holders, Sustainable management and development, Chipko and appiko movement	Area related to circle (Complete) Surface areas and Volumes (Formulas and Questions based on cube and cuboid)	Poem - The Rime of the Ancient Mariner, Integrated Grammar Exercises (Process Writing)	Outcomes of Democracy: How do we assess democracy's outcomes ? A. Democratic countries differ from each other, b. Accountable, responsive and legitimate government, Economic growth and development, Economic outcome of democracy,Reduction of inequality and poverty, Accomodation of social diversity,Dignity and freedom of citizens, Life lines of National Economy: Importance of means of transport and communication, Means of transport,Roadways, Classification of roads according to their capacity, Classification of roads on the basis of type of material,Railways,Pipelines, Waterways, Major Sea Ports of India, Airways, Communication, Indian Postal System, Telecommunication, International Trade, Tourism	Sitting Arrangement , Figure Matrix, Figure Formation & Grouping of Identical Figures , Inserting The Missing Character	
7	Minor test 7 (FA type, OMR based)	06-Feb-16	Human Eye & The Colourful World (Newton's setup of two prisms to get back white light, Rainbow formation , Atmospheric refraction & related phenomena, Scattering of light & related phenomena )	Periodic classification of elements -Trends in valency,atomic size,metallic and non-metallic character,nature of oxides	Management of Natural Resources (Complete)	Surface areas and Volumes (Complete)	Poem - Snake, Integrated Grammar Exercises (Gap Filling, Jumbled up Words)	Challenges to Democracy: Thinking about challenges, Major challenges,Thinking about Political Reforms,Redefining Democracy Consumer Rights: Consumer, Major factors responsible for the exploitation of the consumer, Need for rules and regulations to save the consumer, Consumer Movements,Rights of the Consumer, COPRA,Standardisation,Duties of a well informed consumer	Alpha - Numeric Sequence Puzzle , Paper Folding & Paper Cutting	
8	Minor test 8 (FA type, OMR based)	12-Feb-16	FULL SYLLABUS OF SA-2							



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Minor Test No.	Test Type	Test Date	Subject	Syllabus
1	Major Test No.1 (Subjective)	15-Feb-17	MATHS	FULL SYLLABUS OF SA-2
2	Major Test No.2 (Subjective)	17-Feb-17	SCIENCE	FULL SYLLABUS OF SA-2
3	Major Test No.3 (Subjective)	19-Feb-17	ENGLISH	FULL SYLLABUS OF SA-2
4	Major Test No.4 (Subjective)	21-Feb-17	SST	FULL SYLLABUS OF SA-2