

BIOLOGY

Biology-1

Life Process - Nutrition, Life Process - Respiration, Life Process - Transportation, Life Process - Excretion, Control and Coordination, Reproduction in Plants and Animals, Heredity and Evolution, Our Environment, Management of Natural Resources.

Biology-2

Cell, Tissue, Improvement in Food Resources, Diversity in Living Organisms, Why do we fall ill?

PHYSICS

Physics-1

Electricity and Chemical Effects of Current, Magnetic Effects of Electric Current, Light, Sources of energy, Heat, Miscellaneous

Physics-2

Motion, Force and NLM, Gravitation, Work, Energy, Power, Waves and Sound.

CHEMISTRY

Chemistry-1

Chemical Reactions & Equations, Acids, Bases & Salts, Metals & Non-metals, Carbon and its Compounds, Periodic Classification of Elements

Chemistry-2

Matter in our surroundings, Is matter around us pure, Atoms and molecules, Structure of atom

MATHEMATICS

Mathematics-1

Linear Equations in Two Variables, Number System, Surds and Indices, Polynomials, Rational Expressions, Quadratic Equations, Arithmetic Progression, Coordinate Geometry, Trigonometry and Its Applications, Triangle, Circles and Tangent to the circle, Mensuration of Plane Figures, Mensuration of Solid Figures, Statistics, Probability, Lines and Angles, Quadrilaterals, Area of Parallelogram and Polygon

Mathematics-2

Every Day Mathematics: Percentage, Profit, Loss and Discount, Partnership, Mixtures and Alligations, Simple and Compound Interest, Installment, Ratio and Proportion, Time, Speed and Distance, Unitary Method, Time and Work, Pipes and Cisterns, Problems on Ages.

MENTAL ABILITY

Mental Ability - 1

Verbal: Series, Logical Sequence of Words, Coding & Decoding, Analogy, Classification, Logical Venn Diagrams, Mathematical Operations, Direction Sense Test, Alphabet Test, Puzzle Test, Number, Ranking & Ordering Test, Alpha-Numeric Sequence Puzzle, Inserting The Missing Characters, Calendar, Arithmetical Reasoning, Blood Relations, Statements-Conclusions, Clock, Data Sufficiency, Sequential Output Tracing.

Mental Ability - 2

Non Verbal: Series, Analogy, Classification, Analytical Reasoning, Mirror Images, Water Images, Spotting Out The Embedded Figures, Completion of Incomplete Pattern, Figure Matrix, Paper Folding & Paper Cutting, Rule Detection, Construction of Shapes, Dice, Cube, Dot Situation, Grouping of Identical Figures.

SOCIAL SCIENCE

SST - 1

History: The Making of a Global World, The Age of Industrialisation, Cities in the Contemporary World (Work Life and Leisure), Print Culture and the Modern World, Novels, Society and History, The rise of nationalism in Europe, The Nationalist Movement in Indo - China, Nationalism in India
Civics: Power Sharing, Federalism, Democracy and Diversity, Gender, Religion & Caste, The Popular Struggle and Movement, Political Parties, Outcomes of Democracy, Challenges to Democracy.
Geography: Resources & Development, Forest and Wildlife Resources, Water Resources, Agriculture, Mineral and Power, Resources, Manufacturing Industries, Life Lines of National Economy.
Economics: Development, Sectors of the Indian Economy, Money And Credit, Globalisation & The Indian Economy, Consumer Rights

SST - 2

History : The French Revolution, The Russian Revolution, Nazism and Rise of Hitler, Forest Society & Colonialism, Pastoralists in the Modern World, Peasants & Farmers, History and Sport - The Story of Cricket, Clothing - A Social History
Civics : Democracy in Contemporary World, What is Democracy, Why Democracy, Constitutional Design, Electoral Politics, Working of Institutions, Democratic Rights
Geography: India Size And Location, Physical Features of India, Drainage, Climate, Natural Vegetation and Wildlife, Population
Economics: The Story Of Village Palampur, People as resources, Poverty As a Challenge, Food Security in India