

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, Thrust and Pressure; Work, Energy, Power; Waves and Sound

CHEMISTRY

Chemistry-1	Chemical Reactions & Equations, Acid, Bases and Salts, Metals and 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, 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, 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 & Time sequence 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, Paper Folding & Paper Cutting, Dice, Cube, Dot Situation, Figure Matrix, Figure formation, Construction of Shapes & Grouping of Identical Figures.

SOCIAL SCIENCE

SST-1	History: The Making of a Global World, The Age of Industrialisation, Work Life and Leisure, Print Culture and the Modern World, The Rise of Nationalism in Europe, The Nationalist Movement in Indo - China, Nationalism in India. Civics: Power Sharing, Federalism, Democracy and Diversity, Gender, Religion and Caste, Popular Struggles and Movements, Political Parties, Outcomes of Democracy, Challenges to Democracy. Geography: Resources and Development, Forest and Wildlife Resources, Water Resources, Agriculture, Mineral and Energy Resources, Manufacturing Industries, Lifelines of National Economy. Economics: Development, Sectors of the Indian Economy, Money And Credit, Globalisation and The Indian Economy, Consumer Rights.
SST-2	History : The French Revolution, Socialism in Russia and the Russian Revolution, Nazism and the Rise of Hitler, Forest Society and Colonialism, Pastoralists in the Modern World. Civics : 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 resource, Poverty As a Challenge, Food Security in India.