

**BIOLOGY**
**Biology-1**

Nutrition, Respiration, Transportation in plants and animals, Excretion, Control and Coordination, Reproduction in plants and Animals, Heredity and Evolution, Our Environment, Food and Human Health, Immunity and Blood Groups, Main Natural Resources

**Biology-2**

Waste and Its Management, Economic Importance of Plants and Animals, Universe and Organic Evolution, Biodiversity and its Conservation, Concept of Life, Biodiversity, Environment, Cell, Tissues, Improvement in Food Resources, Diversity in Living Organisms, Why do we fall ill?

**PHYSICS**
**Physics-1**

Electricity, Magnetic Effects of Electric Current, Light, Sources of Energy, Structure of earth, Search of life outside Earth, Indian Scientists Biography & Achievements

**Physics-2**

Motion, Force and NLM, Gravitation, Thrust and Pressure, Work, Energy and Power, Waves and Sound, Celestial Bodies and Indian Calendar, Road Safety Education

**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, Bharat and Science

**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, Locus, Road Safety Education.

**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 :** Glorious India(Bharat), Beginning to 1206 AD, India (Bharat) during struggle period, Retaliation & struggle of British Empire, History of the World  
**Civics :** Democracy, Central Government, State Government  
**Geography:** Water Resources, Agriculture in India, Mineral and Energy Resources, Manufacturing Industry, Human Resources, Transport and Communication  
**Economics:** Economic Concepts and Planning, Characteristics of Indian Economy and New Trends, Challenges Before Indian Economy, Money and Financial System, Consumer & Legal Awareness and Right to Information,  
**Others :** Road Safety, Sanitation and Solid Waste Management

**SST - 2**

**History:** Ancient Civilisations of The World, The World's Leading Philosophy, Ancient India and The World, Social Reforms And Religious Renaissance, Major Events of The World, Nationality In India, Glories of Rajasthan  
**Civics:** Political Development in India, Constitution of India, Local Self Government, India's Foreign Policy  
**Geography:** Physical Divisions of India, Drainage, Climate, Natural Vegetation, Wild Life and Soils  
**Economics:** Economics and Economy, Agriculture In The Indian Economy, Business and Commercial Activities, Book-Keeping: Accounting, Disasters & Management