

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, Structural Organisation of Animals, Health and Diseases, Breeding and Biotechnology.

PHYSICS

Physics-1	Electricity and Chemical Effects of Current, Magnetic Effects of Electric Current, Light, Sources of Energy, Heat, Miscellaneous.
Physics-2	Measurement, Motion, Force and NLM, Gravitation, Thrust and Pressure; Work, Energy, Power; Waves and Sound, Nuclear Physics

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, Chemical Bonding, Applied Chemistry

MATHEMATICS

Mathematics-1	Linear Equations in Two Variables, Number System, Surds and Indices, Polynomials, 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, Set Language, Relations and Functions, Numbers and Sequences, Algebra
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	<p>History: Outbreak of World War I and Its Aftermath, The World between two World Wars, World War II, The World after World War II, Social and Religious Reform Movements in the 19th Century, Early Revolts against British Rule in Tamil Nadu, Anti-Colonial Movements and the Birth of Nationalism, Nationalism: Gandhian Phase, Freedom Struggle in Tamil Nadu, Social Transformation in Tamil Nadu.</p> <p>Civics: Indian Constitution, Central Government, State Government, India's Foreign Policy, India's International Relations</p> <p>Geography: India- Location, Relief and Drainage, Climate, India-Natural Resources, India- Agriculture, Manufacturing Industries, India-Population, Transport, Communication and Trade, Physical Geography of Tamil Nadu, Human Geography of Tamil Nadu.</p> <p>Economics: Gross Domestic Product and its Growth: An Introduction, Globalization and Trade, Food Security and Nutrition, Government and Taxes, Industrial Clusters in Tamil Nadu</p>
SST-2	<p>History: Evolution of Humans and Society – Prehistoric Period, Ancient Civilisations, Early Tamil Society and Culture, Intellectual Awakening and Socio-Economic Changes, The Classical World, The Middle Ages, State and Society in Medieval India, The Beginning of the Modern Age, The Age of Revolutions, Industrial Revolutions, Colonialism in Asia and Africa.</p> <p>Civics: Forms of Government and Democracy, Election, Political Parties and Pressure Groups, Human Rights, Forms of Government, Local Self Government, Road Safety.</p> <p>Geography: Lithosphere I – Endogenetic Processes, Lithosphere II – Exogenetic Processes, Atmosphere, Hydrosphere, Biosphere, Man and Environment, Mapping Skills, Disaster Management: Responding to Disasters.</p> <p>Economics: Understanding Development: Perspectives, Measurement and Sustainability, Employments in India and Tamil Nadu, Money and Credit, Tamil Nadu Agriculture, Migration.</p>