

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 Current, Light, Sources of Energy, Heat, Miscellaneous.

Physics-2

Motion, Force and NLM, Gravitation, Thrust and Pressure, Work, Energy and 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, 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 Allegations, 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: Imperialism in India and China, First World War(A.D 1914 – A.D 1918) and League of Nations, World between Wars (A.D 1919 – A.D 1939)- Economic Depression, Fascism Italy (A.D 1922 – A.D 1945), Nazism in Germany (A.D 1933 – A.D 1945), The United Nations Organization, European Union, The Great Revolt of 1857, Social and Religious Reform Movements in the 19th Century, Freedom Movement in India Phase – I Pre-Gandhian Era(A.D 1885- A.D 1919), Freedom Movement in India Phase – II Gandhian Era (AD 1920- AD 1947), Role of Tamil Nadu in the Freedom Movement, Social Transformation in Tamil Nadu,

Civics: India and the World Peace, Democracy, Unity in Diversity, Consumer Rights.

Geography: India- Location and Physiography, Climate, Natural Resources, Agriculture, Manufacturing Industries, Environmental Issues, India-Trade, Transport and Communication, Remote Sensing, Disaster Risk Reduction.

Economics: National Income, Indian Economy after Independence

SST - 2
History: Evolution of Humans and Society – Prehistoric Period, Ancient Civilisations, Early Tamil Societies 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.

Civics: Forms of Government and Democracy, Election, Political Parties and Pressure Groups, Human Rights, Forms of Government, Local Self Government, Road Safety.

Geography: Lithosphere I – Endogenetic Processes, Lithosphere II – Exogenetic Processes, Atmosphere, Hydrosphere, Biosphere, Man and Environment, Mapping Skills, Disaster Management: Responding to Disasters.

Economics: Understanding Development: Perspectives, Measurement and Sustainability, Employments in India and Tamil Nadu, Money and Credit, Tamil Nadu Agriculture, Migration.