

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	Light, Electricity and Chemical Effects of Current, Magnetic Effects of Current, Sources of Energy, Heat, Miscellaneous
Physics-2	Motion, Force and NLM, Gravitation, Thrust and Pressure, Work, Energy and Power, Wave 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 Alligations, Simple and Compound Interest, Instalments, Ratio and Proportion, Time Speed & 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: Physical features of Punjab and their influence on its history. Political and social conditions of Punjab before Guru Nanak Dev Ji. Guru Nanak Dev ji and his teachings. Contribution of Sikh gurus from Guru Angad Dev ji to Guru Teg Bahadur Ji. Guru Gobind Singh Ji. Banda Bahadur and Sikh Misls. Ranjit Singh, Anglo Sikh wars, Punjab's contribution towards struggle for freedom. Civics: Features of Indian Constitution, The Central and State Governments, Indian democracy at work, India's foreign policy. Geography: India: Size & Location, Physical divisions of India, Drainage, Climate, Natural Vegetation and Wildlife, Agriculture, Water Resources, Minerals and Energy Resources, Manufacturing Industries, Lifelines of National Economy, Population. Economics: Basic Concepts, Economic Infrastructure, Agricultural Development in India, Industrial Development in India, India's Foreign Trade, Economic Planning in India.
SST - 2	History : Ancient and Medieval Civilization, Renaissance & Feudalism, Age of Revolutions, Development of Fascism & Nazism, Second World War(A.D. 1939-A.D.1945), Formation of Military Blocks Race for Armaments, Social & Religious Reforms, The First War of Indian Independence(1857 A.D), Nationalism in India Civics : Man- A Social being, Government, Forms of Government, Local Government- Rural & Urban, India As A Nation, Environmental Values & Ethics Geography : Ecosystem and its types, Terrestrial Ecosystem and its Changing form, Factors affecting Terrestrial Ecosystem & external forces, Factors affecting Terrestrial Ecosystem & internal forces, Aquatic Ecosystem, Atmospheric Ecosystem & Biospheric Ecosystem, Factors affecting humidity of the atmosphere, Introduction of National Resources as a whole, Depletion of Resources, Conservation & their Protection, Exhaustable Minerals & Power Resources & their Conservation, Protection & their Alternative, World- Natural Regions, Natural Disasters & Disaster Management Economics : Indicators of Economy, Economic System, Sectors of Indian Economy, Major Problems of Indian Economy- Poverty & Unemployment, Price Rise & Consumer Awareness.