

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, Wave and Sound

CHEMISTRY

Chemistry-1	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 & 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	<p>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's life, Creation of Khalsa: his personality, Banda Bahadur and Sikh Misls. Ranjit Singh, Anglo Sikh wars, Punjab's contribution towards struggle for freedom</p> <p>Civics: Features of Indian Constitution, The Central and State Governments, Indian democracy at work, India's foreign policy</p> <p>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</p> <p>Economics: Basic Concepts, Economic Infrastructure of the Indian Economy, Agricultural Development in India, Industrial Development in India, India's Foreign Trade, Economic Planning in India</p>
SST-2	<p>History- Punjab: Physical features & its Impact, Guru Nanak Ji and Contemporary Society, Development of Sikh Religion (1539-1581 CE), Shri Guru Arjun Dev Ji- Contribution in Development of Sikhism and his Martyrdom, The French Revolution, Russian Revolution, Forest Society and Colonialism, Social History of Clothing.</p> <p>Civics: History, Development & expansion of Modern Democracy, Democracy: Meaning & Importance, Establishment of Indian Democracy & its Nature, India's Parliamentary Democracy, Democracy & Election Process, Fundamental Rights of the Citizens.</p> <p>Geography- India- Size & Location, Punjab- Size and Location, India- Physiographic Units, Punjab- Physical Features, India- Drainage, Punjab-Drainage, Climate, Natural Vegetation and Wildlife, Population.</p> <p>Economics: Story of a Village, Human Resources, Poverty: Challenge facing India, Food Security in India.</p>