



NTSE Syllabus

Mental Ability Test (MAT)

- Analogy (Verbal & Non-Verbal)
- Classification
- Series Completion (Number series, Alphabet series, Figure series)
- Coding–Decoding
- Blood Relations
- Direction Sense Test
- Puzzle Test
- Syllogism
- Statement & Conclusion / Assertion & Reason
- Analytical Reasoning
- Water Images and Mirror Images
- Embedded Figures
- Figure Completion & Pattern Completion
- Paper Folding and Cutting
- Venn Diagrams
- Mathematical Operations & Simplification
- Calendar, Clock, and Age Problems
- Non-Verbal Reasoning (Figures and Diagrams)

Scholastic Aptitude Test (SAT)

Mathematics

- Algebra
- Geometry
- Trigonometry
- Mensuration
- Arithmetic Progressions
- Probability
- Statistics
- Coordinate Geometry
- Number System

- Polynomials

Physics

- Light - Reflection and Refraction
- The Human Eye and the Colourful World
- Electricity
- Magnetic Effects of Electric Current
- Chemical Effects of Electric Current
- Sources of Energy
- Motion
- Force and Laws of Motion
- Gravitation
- Work and Energy
- Sound
- Force and Pressure
- Friction
- Some Natural Phenomena
- Stars and the Solar System

Chemistry

- Matter in Our Surroundings
- Is Matter Around Us Pure?
- Atoms and Molecules
- Structure of the Atom
- Natural Resources
- Chemical Reactions and Equations
- Acids, Bases and Salts
- Metals and Non-metals
- Carbon and Its Compounds
- Periodic Classification of Elements
- Sustainable Management of Natural Resources
- Synthetic Fibres and Plastics
- Coal and Petroleum
- Combustion and Flame
- Pollution of Air and Water

Biology

- Life Processes
- Control and Coordination
- How Do Organisms Reproduce
- Heredity and Evolution
- Our Environment
- The Fundamental Unit of Life
- Tissues
- Diversity in Living Organisms
- Why Do We Fall Ill
- Improvement in Food Resources
- Crop Production and Management
- Microorganisms: Friend and Foe
- Conservation of Plants and Animals
- Cell - Structure and Functions
- Reproduction in Animals

- Reaching the Age of Adolescence

History

- Nationalism in India
- Indian Freedom Struggle
- French Revolution
- Russian Revolution
- Industrial Revolution
- World Wars

Geography

- Resources
- Agriculture
- Water Resources
- Climate & Vegetation
- Manufacturing Industries
- Population

Civics

- Democracy & Diversity
- Gender & Caste
- Indian Constitution
- Working of Institutions
- Political Parties
- Outcomes of Democracy

Economics

- Development
- Sectors of Economy
- Money & Credit
- Globalization
- Consumer Rights

General Awareness

- National and International Current Affairs
- Science & Technology
- Sports
- Awards
- Books and authors