Screening cum Scholarship Test

SYLLABUS

For Students of Class XI (moving to class XII in 2024)

Mathematics
- Set Theory, Relations
- Quadratic Equations
- Logarithms
- Sequence and Series
- Trigonometric Ratios and Identities
- Complex Number
- Straight line

Physics
- Units and Dimensions
- Vectors
- Kinematics
- Laws of Motion
- Work, Energy & Power

Chemistry
- Some Basic concepts of Chemistry
- Atomic Structure
- Classification of Element and Periodic Properties
- Chemical Bonding & Molecular Structure
- Redox Reaction, Titration & Stoichiometry

For Students of Class X (moving to class XI in 2024)

Mathematics
- Real Numbers
- Polynomials
- Linear Equations in Two Variables
- Similar Triangles
- Trigonometry
- Co-ordinate Geometry

Physics
- Light Reflection and Refraction
- Human Eye and Colourful World
- Electricity

Chemistry
- Chemical Reactions & Equations
- Acids, Bases and Salts
- Metals and Non-metals

For Students of Class IX (moving to class X in 2024)

Mathematics
- Number System, Indices & Surds
- Linear Equation in two variable
- Lines & Angles
- Triangles
- Co-ordinate Geometry
- Heron's Formula

Physics
- Motion
- Force and Laws of Motion
- Gravitation

Chemistry
- Is Matter around us pure?
- Properties of Matter & Solutions

Biology
- Cell: The Fundamental Unit of Life
- Tissues
- Why do we fall ill

For Students of Class VIII (moving to class IX in 2024)

Mathematics
- Rational Numbers
- Square & Square roots
- Cube & Cube roots
- Linear Equation in One Variable
- Understanding Quadrilaterals
- Data Handling
- Graphs

Chemistry
- Synthetic Fibers & Plastics
- Metals and Non metals
- Coal & Petroleum

Biology
- Crop Production & Management
- Microorganism
- Conservation of Plants & Animals

Physics
- Force & Pressure
- Friction
- Sound

For Students of Class VII (moving to class VIII in 2024)

Mathematics
- Integers
- Fraction & Decimal
- Data Handling
- Simple Equations
- Lines & Angles
- Triangles and its Properties
- Congruent Triangles

Physics
- Motion and Time
- Heat
- Wind, Storms and Cyclones

Chemistry
- Fiber to Fabric
- Physical & Chemical Changes
- Acids, Bases and Salts

Biology
- Nutrition in Plants
- Nutrition in Animals
- Respiration in Organisms
- Weather, Climate and Adaptations o Animals to Climate