



### **Class 11 Entrance Test Details:**

- **Subject: English (compulsory)**

Duration: 2 hours

Syllabus:

- Unseen Comprehension
- Composition Writing
- Functional Grammar (Do as directed, Transformation of Sentences etc.)

- **Subject: Mathematics (for applicants opting for Mathematics)**

Duration: 1 hour

Syllabus:

- Statistics – Measures of Central Tendency
- Quadratic Equations
- Trigonometry
- Height and Distance
- Coordinate Geometry (Distance and Section Formulae)
- Circle
- Mensuration

- **Subject: Physics (for applicants opting for Physics)**

Duration: 1 hour

Physics Syllabus:

- Reflection and Refraction of Light
- Current Electricity
- Electromagnetism
- Motion In One Dimension
- Pressure and Upthrust

- **Subject: Chemistry (for applicants opting for Chemistry)**

Duration: 1 hour

Chemistry Syllabus:

- Acids and Bases
- Periodic Table
- Metallurgy (excluding Alloys)
- Organic Chemistry : IUPAC nomenclature, Functional groups, isomerism, alkanes, alkenes and alkynes (laboratory preparation, physical properties, chemical properties and uses).

- **Subject: Biology (for applicants opting for Biology)**

Duration: 1 hour

Biology Syllabus:

- Genetics and Heredity
- Plant Physiology – Photosynthesis and respiration
- Cell Structure, Cell Division and Cell Cycle
- Human Physiology – Digestive System, Respiratory System, Circulatory System, Nervous System and Excretory System
- General Ecology