



## **Syllabus II - Entrance Test**

### **Grade – X**

#### **English**

1. **READING:** Unseen Passage
2. **WRITING:** Descriptive Writing, Diary Entry, Story Writing
3. **GRAMMAR:** Tenses, Subject-Verb Agreement, Modals, Reported Speech, Determiners

#### **Mathematics**

1. Polynomials (Zeros of Polynomials, Factorisation of Polynomials, Algebraical Identities)
2. Volume and Surface Areas (Cone, Sphere, and Hemisphere)
3. Heron's Formula (Area of a Triangle)
4. Circles (angle subtended by an arc at the centre is double that of the angle subtended by the same arc at the centre of the circle; and the sum of opposite angles in a cyclic quadrilateral is  $180^\circ$ )
5. Statistics (histogram with varying base length, frequency Polygon)

#### **Science:**

##### **Physics**

1. Motion
2. Force & laws of motion
3. Gravitation
4. Work & Energy

##### **Chemistry**

1. Matter in our surroundings
2. Is the Matter around us pure
3. Atoms and molecules
4. Structure of an Atom

##### **Biology**

1. Fundamental unit of life
2. Tissue
3. Improvement in food resources