

**CLASS XI ENTRANCE EXAMINATIONS
SYLLABUS**

All papers will be for 30 minutes and will carry 25 marks

ENGLISH LANGUAGE

1. Composition (200 words)
2. Prepositions
3. Tenses
4. Transformation of Sentences
 - Direct to Reported Speech
 - Active to Passive Voice

MATHEMATICS

1. Introduction to Trigonometry
2. Trigonometric Identities
3. Quadratic Equations
4. Probability
5. Arithmetic Progression
6. Surface Area and Volumes

CHEMISTRY

1. Periodic table and periodic properties – (Valency, Atomic size, Metallic and Non Metallic Nature)
2. Carbon and its compounds
3. Metals and Non Metals (Physical properties)
4. Chemical reactions and equations
5. Acids, bases and salts

PHYSICS

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| <ol style="list-style-type: none">1. Light<ol style="list-style-type: none">i. Refraction of lightii. Refraction of Light by spherical lensesiii. Refraction through a prismiv. Dispersion of light2. Electricity<ol style="list-style-type: none">i. Electric current and circuitii. OHM's Lawiii. Resistance and resistivityiv. Electric power | <ol style="list-style-type: none">3. Magnetic effect of electric current<ol style="list-style-type: none">i. Magnetic fieldii. Field linesiii. Field due to a current carrying conductoriv. Field due to a current carrying coil or solenoidv. Force on current carrying conductorvi. Fleming's left hand rulevii. Direct currentviii. Alternate currentix. Advantage of AC and DCx. Domestic electric Circuits |
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Please Note: Tests required as per the selected stream

Science with Maths	English, Maths, Physics, Chemistry
Science with Biology	English, Physics, Chemistry
Commerce with Maths	English, Maths
Commerce without Maths and Humanities	English

