

IIT ASHRAM

ADMISSION CUM SCHOLARSHIP TEST SYLLABUS



Class - 10th

Physics : Newton's Laws of Motion, Work, Energy and Power, Gravitation, Motion, Refraction of light , Reflection of Light
Electricity, Magnetic effect of Electricity.

Chemistry : Atoms and Molecules, Atomic Structure, Chemical Reaction and Equation, Acids, Bases and Salts, Metals and Non-metals, Mole Concept, Periodic Classification

Biology : The cell, Tissue, Why do we fall ill?, Natural Resources, Diversity in Living Organisms, Life processes, Control & Coordination.

Maths : Number System, Polynomial, Linear Equations in Two Variables, Introduction Euclid's Geometry, Lines, Angles, Triangles-Congruency & Similarity of Triangles and Quadrilaterals
Areas of Parallelograms and Triangles, Circles, Heron's Formula
Surface Area and Volumes, Probability, Introduction to Trigonometry, Quadratic Equation, Statistics, Coordinate Geometry, Arithmetic Progression

Mental Ability : Visual Reasoning (Paper Folding / Cutting, Series Completion), Deductions-Syllogisms, Series Completion (Letter and Numbers), Direction/Distance Problems, Venn Diagrams, Verbal Classification-Odd man out, Coding - Decoding
Blood Relationships, Calendar Problems, Data Sufficiency , Statement/Conclusions, Data Interpretation, Verbal Reasoning.