

IIT ASHRAM

ADMISSION CUM SCHOLARSHIP TEST SYLLABUS



Class-10th

Physics : Newton's Laws of Motion, Work, Energy and Power, Gravitation, Electricity, Sound, Stars and Solar System, Reflection of Light.

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

Biology : 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, Application of Trigonometry.

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.