

# IIT ASHRAM

## ADMISSION CUM SCHOLARSHIP TEST SYLLABUS



### Class-9th

**Physics** : Units and Measurements, Motion, Force and Newton's Laws of Motion, Gravitation, Pressure and Floatation.

**Chemistry** : Structure of Atom, Basics of Chemistry, Metals and Non-metals, Atoms and Molecules, Combustion and Flame Matter in Our Surroundings, Is Matter Around Us Pure, Mole Concept.

**Biology** : Crop Production and Management, Micro-Organism: Friend and Foe, Conservation of Plants and Animals, Reproduction and Reaching the Age of Adolescence, Cell Structure & Function, Tissue, Food production and Management.

**Maths** : Linear Equations in One Variable, Understanding Quadrilaterals, Squares and Square Roots, Algebraic Expressions and Identities, Mensuration, Exponents and Powers, Factorization, Number system, Polynomial, Euclid's Geometry, Lines, Angles and Triangles, Ratio & Proportion and Application of Percentage, Quadrilateral, Area of Quadrilateral.

**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