

# IIT ASHRAM

## ADMISSION CUM SCHOLARSHIP TEST SYLLABUS



### Class - 8<sup>th</sup>

**Physics** : Chemical effect of Electricity, Force and Pressure, Sound, some natural phenomena , Light and Reflection, Earth and Universe,

**Chemistry** : Acids-Bases-Salts, Metals-Non metals, Synthetic Fibers-Plastics, Language of Chemistry, Water and Air, Changes around Us, Combustion Fuel-Flame.

**Biology** : Transportation in Plants and Animals, Respiration in Organisms, Forests - Our Life Line, Crop Production and Management, Cell Structure & Functions, Micro-Organisms.

**Maths** : Ratio & Proportion and Application of Percentage, Perimeter and Area, Algebraic Expression, Rational Numbers Linear Equations in One Variable, Understanding Quadrilaterals Squares and Square Roots, Cubes and Cube Roots, Exponents and Powers.

**Mental Ability** : Visual Reasoning (Paper Folding / Cutting, Series Completion), Deductions-Syllogisms, Series Completion (Letters and Numbers), Direction/Distance Problems, Venn Diagrams, Verbal Classification-Odd Man Out, Coding-Decoding Blood Relationships.