

# IIT ASHRAM

## ADMISSION CUM SCHOLARSHIP TEST SYLLABUS



### Class - 7<sup>th</sup>

**Physics** : Motion and Measurement of Distance and Time, Light, Shadows & Reflections, Fun with Magnets, Force and Energy Electric Circuits, Electric Current and its effects, Heat.

**Chemistry** : Basic concepts of Chemistry, Water and Air, Changes around Us, Animal Fiber, Acids, Bases and Salts.

**Biology** : Garbage in Garbage out, Getting to know about Plants, Body Movements, The Living Organisms and their Surroundings, Nutrition in Plants & Animals, Weather, Climate and Adaptation of Animals to Climate.

**Maths** : Integers, Fractions & Decimals, Perimeter and Area Simple Equations, Lines and Angles, Rational Numbers, Algebraic Expressions, Exponents and Powers, Profit and Loss, Percentage.

**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.