

CLASS

8

SAMPLE PAPER

Science  
 Olympiad  
Foundation

For Excellence in Science, Maths & IT

## INTERNATIONAL MATHEMATICS OLYMPIAD

The actual test paper has 50 questions. Time allowed : 60 minutes. There are 3 sections, 20 questions in section I, 20 in section II and 10 in section III.

### SYLLABUS

**Section – I (Logical Reasoning)** : Mathematical operations, Series completion, Direction sense test, Analytical Reasoning, Problems on cubes and dice, Number ranking & Time sequence Test and general reasoning based on prescribed syllabus.

**Section – II (Mathematical Reasoning)** : Squares and Square Roots, Cubes and cube roots, Exponents and Radicals, Profit, loss and discounts, Algebraic identities, Polynomials, Equations in one Variable, Parallel Lines, Special types of Quadrilaterals and their constructions, Circles, Areas, Surface Areas, Volumes, Statistics.

**Section – III (Everyday Mathematics)** : The Syllabus of this section will be based on the syllabus of Mathematical Reasoning.