

# NATIONAL PRIMA TALENT OLYMPIAD EXAMINATIONS

**CLASS IX**

## MATHEMATICS

### Pure Arithmetic

- Ratio & Proportion
- Exponents

**Commercial Mathematics:** Compound Interest

### Algebra

- Expansions
- Fundamental concepts of Algebra
- Simple Linear equations
- Expansions & factorisation

### Geometry

- Lines & Angles
- Concept of Transversal
- Interior & Exterior angles
- Properties of Isosceles triangles
- Understanding polygons
- Interior & exterior angles

**Trigonometry ratios , ratios of standard angles**

### Probability

### Mensuration

- Area & perimeter of Triangles, quadrilaterals, circles
- Surface area & volume of cuboids & cube

