



OLYMPIAD APTITUDE TEST

Syllabus- Mathematics (Grade XI)

Sets and Functions: Sets, Relations and Functions,
Trigonometric Functions

Algebra: Principle of Mathematical Induction, Complex Numbers
and Quadratic Equations, Linear Inequalities, Permutations and
Combinations, Binomial Theorem, Sequence and Series.

Coordinate Geometry: Straight Lines, Conic Sections,
Introduction to Three-dimensional Geometry

Calculus: Limits and Derivatives

Mathematical Reasoning

Statistics and Probability



OLYMPIAD APTITUDE TEST

Syllabus- Mathematics (Grade XII)

Relations and Functions: Relations and Functions, Inverse Trigonometric Functions

Algebra: Matrices, Determinants.

Vectors and 3-D Geometry

Calculus: Continuity and Differentiability, Applications of Derivatives, Integrals, Applications of the Integrals, Differential Equations.

Linear Programming

Probability