

Syllabus for Admission Test

2 year Program - For students currently in Class X

Algebra	Real Numbers, Rationalisation, Algebraic Identities, Factorization of Polynomials, Remainder and Factor Theorem, Ratio and Proportion, Percentage and its Application, Profit and Loss, Work and Time, Distance and Time, Linear Equations in 2 and 3 variables, Quadratic Equations, Rational Expressions, Arithmetic Progressions, Probability
Geometry	Lines and Angles, Triangle and its Angles, Congruent Triangles, Quadrilaterals, Area of Parallelogram and Triangles, Similar Triangles, Circle, Tangents to a Circle
Mensuration	Area of Plane figures (Triangles, Quadrilaterals, Area of a Circle, Area of a Sector and Segment of a Circle Surface Area and Volume (cubes, cuboid, sphere, hemisphere, right circular cylinder, cone, frustum of cone)
Trigonometry	Trigonometric Identities, Trigonometric Ratio, Complimentary Angles, Height and Distances.
Statistics	Mean, Mode, Median and Data Interpretation of various graphs
Analytical and Logical Reasoning	

3 year Program - For students currently in Class IX

Algebra	Polynomials, Linear Equations in Two Variables
Geometry	Lines and Angles, Triangles, Quadrilaterals, Circles, Area of Parallelograms and Triangles
Mensuration	Surface Area and Volume (Cube, Cuboid, Right Circular Cone and Cylinder, Sphere)
Others	Ratio & Proportion, Time and Distance, Time and Work, Percentage & its Applications and Remainder Factor Theorem
Analytical and Logical Reasoning	

4 year Program - For students currently in Class VIII

Algebra	Rational Numbers, Linear Equations in One Variables, Squares and Square Roots, Cubes and Cube Roots, Comparing Quantities, Algebraic Expressions and Identities, Exponents and Powers, Direct & Inverse Proportions, Factorisation
Geometry	Practical Geometry, Understanding Quadrilaterals
Mensuration	Visualising Solid Shapes, Area (Rectangle, Square, Triangle, Parallelogram, Circle, General Quadrilateral, Trapezium, Polygons), Surface Area & Volume (Cube, Cuboid, Cylinder)
Others	Data Handling, Introduction to Graphs, Playing with Numbers
Analytical and Logical Reasoning	