

Mathematics (1-B)

Subject: Mathematics (1-A)

			Assessment					
Practical	Exercises	Lecture	Final Exam	Mid Term	Assignment	Attendance	Quizzes	Practical Exam
0	2	2	75%	10%	5%	5%	5%	0%

Content :

Analytical Geometry: Plane Geometry

[Fundamental Concepts Cartesian and polar coordinates - Transformation of coordinates.

Equations Representing Two Straight Lines [Homogeneous equation of the second degree - General Equation Of The Second Degree - General equation to pair of straight lines - Homogenizing equations.

The Circle [Equation of the circle - Tangent and Normal - Tangent drawn from an external point - Chord of contact - Pole and Polar - Parametric equation to the circle - Polar Equation to a circle - Systems of Circles - Equation of a system of coaxial circles .

Conic Sections [General equation of the following sections:

The Parabola - The Ellipse - The Hyperbola

[Parametric equations - Equations of the tangent and normal - Chord of contact and Polar - Some properties of each]

Solid Geometry: Plane, Line, Sphere & important Surfaces.