

SARDAR PATEL UNIVERSITY
Programme: BBA(Information Systems Management)
Semester: I
Syllabus with effect from: JUNE 2011

Paper Code: UM01CBBS07	Total Credit: 3
Title Of Paper: Business Mathematics	

Unit	Description in detail	Weighting (%)
1	Set Theory Sets, subsets, equality of two sets, null set, universal set, complement of a set, union and intersection of sets, difference of two sets, Venn diagram, laws of algebra of sets , De Morgan laws and Cartesian Product of two sets (theoretical examples based on two or more sets are excluded) Real Numbers Real numbers, absolute value and its Properties (without Proof)	25 %
2	Determinant and Matrix Meaning determinants and their basic properties (without proof), Cramer's Method, Matrices-Addition, Subtraction, Scalar multiplication Types of matrices-Square, null, Identity, transpose of a matrices, Symmetric, skew-symmetric, singular, non singular, inverse, adjoint of a Matrix Only solution of a system of three linear equations using matrix theory.	25 %
3	Co-ordinate Geometry Cartesian co-ordinate system, Distance Between two points, slope of line, slopes of parallel and perpendicular lines, Equation of a line (1) Two point form (2) Point slope form (3) Intercept form (4) Two intercept form (5) General form	25 %
4	Limit Limits of a function, Limits of sum, product and quotient of two function (without proof) and use of them for evaluating other limits	25 %

Basic Text & Reference Books : -----

