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

Paper Code: UM01CBBI07	Total Credit: 3
Title Of Paper: Business Mathematics	

Unit	Description in detail	Weighting (%)
I	**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,venn 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%
II	**Determinant and Matrix** Meaning, Determinants and their basic properties (Without Proof), Cramer's Method Matrices-Addition, Subtraction, scalar multiplication. Types of matrices-Squre, null, identity, transpose of matrices,Sysmmetric,skewsymmetric,Singular,not singular,inverase,adjoint of a matrix. Only solution of a system of three liner equations using matrix theory.	25%
III	**Co-ordinate Geometry** Cartesian Co-Ordinate System, Distance between two points, Slope of line, slopes of Parallel and perpendicular lines, equations of a line Two Point Form Point slope form Intercept form Two intercept form General form	25%
IV	**Limit** Limits of a function, Limits of sum, Product and quotient of two functions (Without Proof) and use of them for evaluating other limits.	25%

Basic Text & Reference Books
- Business Mathematics K Kapoor,Sultan Chand & Sons, New Delhi
- Business Mathematics, Allen R G D Macmillan India
- Business Mathematics Allen R G D Pitamber Publication House
- Quantitative Techniques in Managemant,Vohra N D TATA McGraw Hill, New Delhi
- Mathematics for Management and Computer Application, Sharma J K Galgotua Pvt Ltd,New Delhi