

II – B.Com	BUSINESS MATHEMATICS For the students admitted in the year 2010	AMCM401
SEMESTER - IV		HRS/WK - 5
ALLIED		CREDIT - 4

(For B.COM. II – Year)

Unit – I

Set Theory: - Basic concepts – Subsets – Operations and Applications – Cartesian Product – Relations – Properties – Functions.

Chapter II section : 2.1-2.7

Unit – II

Analytical Geometry: - Distance – Slope – Equation of Straight line – Interpretation – Break even analysis – Parabolas.

Chapter-I section 1.2 – 1.4 ,1.6 -1.8.

Unit – III

Differential Calculus : - Limits – Continuity – Average & Marginal concepts – Differential coefficient concepts – Simple applications to Economics.

Chapter –III sections 3.1,3.2,3.4,3.5,3.11

Unit – IV

Matrices:Addition of matrices –Scalar multiplication-Multiplication of a matrix by a matrix-Inverse of a matrix –Solution of a system of equation –Input output Analysis

Chapter-8 section 8.2 – 8.7

Unit – V

Commercial Arithmetic : - Percentages – Simple and Compound interests – Arithmetic and Geometric Series – Simultaneous Linear equations.

Chapter-7 section 7.1,7.2,7.3,7.5

Text Book :

1. An Introduction to Business Mathematics, V. Sundaresan, S. D. Jaya Seelan, S. Chand& Company Ltd, New Delhi 2003

Reference Books:

1. Business mathematics, Qazi Zameeruddin, V. K. Kahanna, S. K. Bhambri, Vikas Publishing Pvt Ltd, New Delhi 1995.
2. Business mathematics, V. K. Kapoor, S. Chand& Company Ltd, New Delhi 1994.