

B. Com. Semester III

Business Mathematics II - Syllabus

Unit	Title	Details of Topic
Unit I	Linear Programming	Formulation of Linear Programming; Graphical method of solution; Problem relating two variables including the case of mixed constraints; cases having no solution
Unit II	Simplex Method	Solution of problems up to three variables; Solution for cases of mixed constraints; Duality; Transportation Problem
Unit III	Compound Interest and Annuities	Certain types of interest rates; Concept of present value and amount of a sum Types of Annuities; Present value and amount of an annuity; cases of continuous compounding; Valuations of simple loans and debentures Problems relating to sinking funds

Recommended Books:

1. Allee R.G.a: Basic Mathematics: Macmi/lan, New Delhi.
2. Dowling, E.T. Mathematics for Economics; Schaum Series, McGraw Hill London.
3. Locmba, Paul: Linear Programming ; Tata McGraw Hill, New Delhi.
4. Vohra, N.D.: Quantitative Techniques in Management; Tata McGraw Hill New Delhi.
5. Soni R.S.: Business Mathematics; Pitamber Publishing House, Delhi