

VEER NARMAD SOUTH GUJARAT UNIVERSITY
B.COM (Hons) SEMESTER - II
Course Code - CE 220 C
BUSINESS MATHEMATICS - II
(With Effect From Academic Year 2011-2012)

- UNIT I Linear Programming-Formulation of LPP; Graphical method of solution; Problems relating to two variables including the case of mixed constraints; Cases having no solution, multiple solutions, unbounded solution and redundant constraints. (30%)
- UNIT II: Simplex Method – Solution of problems up to three variables, including cases of mixed constraints; Duality; Transportation Problem, Assignment Problem. (30%)
- UNIT III Compound Interest and Annuities : Certain different types of interest rates; Concept of present value and amount of a sum, Types of annuities; Present value and amount of an annuity, including the case of continuous compounding; Valuation of simple loans and debentures; Problems relating to sinking funds. (40%)

Suggested Readings:

1. S.D.Sharma: Operations Research.
2. Loomba, Paul: Linear Programming : Tata McGaw Hill, New Delhi.
3. Vohra,N.D.: Quantitative Techniques in Managements; Tata McGaw Hill, New Delhi.