

SARDAR PATEL UNIVERSITY
Programme & Subject: B.Sc (Mathematics)
Semester: III
Syllabus with Effect from: June-2012

Paper Code: US03EMTH04	Total Credit: 2
Title Of Paper: Operations Research	

Unit	Description in detail	Weighting (%)
I	Introduction to Linear Programming; LP model; Graphical solution and sensitivity analysis.	
II	Simple method; Need of Simplex method; Basic solutions.	
III	Transportation models ; Various methods and applications	
IV	Assignment Problems ; Various cases and methods ; applications	

Basic Text & Reference Books:-

- Hamdy and Tahia , Operations Research , An introduction, Prentice - Hall, 1997 .
- V.K.Kapoor , Operations Research , S.Chand and sons , New Delhi 2007 .

