

Syllabus

BBA 202: OPERATION RESEARCH BBA 3rd Semester, Panjab University, Chandigarh

Objective: To make the students to understand the concept of operations Research and its applications in managerial decisions.

UNIT-I

Operations Research: Meaning, Significance and Scope. Introduction to Linear Programming, Formulation of Linear Programming—Problems, Graphical Method, Simplex Method. Transportation Problem, Assignment Problem.

UNIT-II

Queuing Theory: Introduction, Arrival System, Queue Discipline, M/M/1 Single Channel, M/M/1 and M/M/S Model Game Theory: Two Persons Zero Sum Games, Pure Strategies, Mixed Strategies, Dominance, Introduction to Frequency Problems, Classification of Sequencing Problems, Processing in Job through Two Machines.

Practical Work : Project Report in following Areas: Use of linear Programming in Industry. Use of Queuing Theory in Banks and Service Centers.

Apr 2020