

BUSINESS STATISTICS AND OPERATIONS RESEARCH - II

Unit I

Index Numbers - Aggregative and Relative Index - Chain and Fixed Index - Wholesale Index - Cost of Living Index

Unit II

Probability - Addition and Multiplication Theorem - Conditional Probability - Bayes's Theorem (without proof) - Simple Problems

Unit III

Sampling Techniques - Types of Sample and Sampling Procedures - Tests of Significance - Normal, t, F, chi - square - Simple problems.

Unit IV

Assignment and Transportation Problems

Unit V

Network Analysis - PERT and CPM (no crashing)

REFERENCE BOOKS

1. Statistical Methods - S.P. Gupta
2. Introduction to Operations Research - Dr. P.R. Vittal
3. Statistics - Elhance
4. Operations Research - Hira and Gupta, S. Chand
5. Operations Research - Handy and A. Taha

Question Paper Pattern:

Pattern	Theory	Problems	Total Questions	To answer	Marks per Question	Total Marks
Section A	5	7	12	10	2	20
Section B	1	6	7	5	5	25
Section C	0	4	4	2	15	30

Instructions to Paper Setter:

Section-A: Minimum 2 Questions to be asked from each of the five Units

Section-B: Minimum 1 Question to be asked from each of the five Units

Section-C: Minimum 1 Question to be asked from any four Units