

# QUANTITATIVE TECHNIQUES



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**Product Code:** MBAD-401-B

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## **Short Description**

**QUANTITATIVE TECHNIQUES**

## **Description**

**QUANTITATIVE TECHNIQUES SOLVED PAPERS AND GUESS**

**Product Details: Deenbandhu Chhotu Ram UNIVERSITY QUANTITATIVE TECHNIQUES**

**Format: BOOK**

**Pub. Date: NEW EDITION APPLICABLE FOR Current EXAM**

**Publisher: MEHTA SOLUTIONS**

**Edition Description: 2021-22**

**RATING OF BOOK: EXCELLENT**

## **ABOUT THE BOOK**

### **FROM THE PUBLISHER**

If you find yourself getting fed up and frustrated with other **Rohtak UNIVERSITY** book solutions now mehta solutions brings top solutions for **Deenbandhu Chhotu Ram UNIVERSITY QUANTITATIVE TECHNIQUES REPORT** book contains previous year solved papers plus faculty important questions and answers specially for **Deenbandhu Chhotu Ram UNIVERSITY** .questions and answers are specially design specially for Deenbandhu Chhotu Ram **UNIVERSITY** students .

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### **FULLY SOLVED BOOK LASY 5 YEARS PAPERS SOLVED PLUS GUESS**

**Unit-I:** Operations Research: Evolution, methodology and role in managerial decision making; Linear programming: Meaning, assumptions, advantages, scope and limitations; Formulation of problem and its solution by graphical and simplex methods; special cases in simplex method: infeasibility, degeneracy, unboundedness and multiple optimal solutions; duality.

**Unit-II:** Transportation problems including transshipment problems; Special cases in transportation problems: unbalanced problems, degeneracy, maximization objective and multiple optimal solutions; assignment problems including traveling salesman's problem. Special cases in assignment problems: unbalanced problems, maximization objective and multiple optimal solutions.

**Unit-III:** PERT/CPM: Difference between PERT and CPM, network construction, calculating EST, EFT, LST, LFT and floats, probability considerations in PERT, time

-cost trade-off. Decision theory: decision making under uncertainty and risk, Bayesian analysis, decision trees.

**Unit-IV:** Game theory, pure and mixed strategy games; principle of dominance; two person zero sum game; Queuing theory: concept, assumptions and applications; analysis of queue system, Poisson distributed arrivals and exponentially distributed service time models (MM1 and MMK); Simulation; meaning, process, advantages, limitations and applications.