

Reg. No. :

D 4011

Q.P. Code : [07 DMB 06]

(For the candidates admitted from 2007 onwards)

M.B.A. DEGREE EXAMINATION, JULY 2022.

First Year

QUANTITATIVE TECHNIQUES FOR MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. Explain the applications of measures of central tendency.
2. Discuss the mathematical models in detail.
3. Explain the computational procedure of simplex method with an example.

4. A Furniture making company is making tables and chairs. The details are given below.

Details	Table	Chair	Requirements
Wood (Sq.feet)	30	20	300
Working time (hours)	5	10	110
Profit per unit (Rs.)	60	80	

Formulate into linear programming problem. How many tables and chairs would the company made to maximize profit? Solve it by graphical method.

5. Distinguish PERT and CPM.
6. Explain the rules to draw a network.
7. Discuss the procedure to solve transportation problem with an example.
8. Explain the applications of probability distribution.

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