

Reg. No. :

D 506

Q.P. Code : [07 DMB 06]

(For the candidates admitted from 2007 onwards)

M.B.A. DEGREE EXAMINATION, MARCH 2021.

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 mathematical models in detail.
2. Solve the L.P.P. by simplex method.

Maximize $Z = 2x + 3y$

Subject to $x + 2y \leq 6$

$4x + 6y \leq 24$

$x, y \geq 0$.

3. Solve the assignment problem.

		Machines			
		I	II	III	IV
Men	1	10	12	15	14
	2	12	10	16	8
	3	8	12	14	10
	4	14	8	10	16

4. Explain the initial methods to solve a transportation problem with an example.
5. What are the elements of queuing model? Explain.
6. Discuss the applications of binomial and Poisson distribution.
7. Explain the steps involved in Manto Carlo simulation.
8. What are the methods used to solve a game? Explain.
-