



Second Semester MBA Degree Examination, June/July 2025
Operation Research

Time: 3 hrs.

Max. Marks: 100

- Notes: 1. Answer any **FOUR** full questions from Q.No. 1 to Q.No. 7
2. Question No. 8 is compulsory.
3. M: Marks, L: Bloom's level, C: Course outcomes.

		M	L	C
Q.1	a.	3	L1	CO1
	b.	7	L3	CO2
	c.	10	L3	CO2
Q.2	a.	3	L1	CO3
	b.	7	L1	CO1
	c.	10	L3	CO3
Q.3	a.	3	L2	CO1
	b.	7	L3	CO2
	c.	10	L3	CO2

Q.4	a.	3	L2	CO2
	b.	7	L2	CO3
	c.	10	L2	CO3
Q.5	a.	3	L2	CO2
	b.	7	L3	CO2
	c.	10	L2	CO3
Q.6	a.	3	L1	CO1
	b.	7	L2	CO3
	c.	10	L3	CO3
Q.7	a.	3	L4	CO4
	b.	7	L2	CO4
	c.	10	L4	CO4

Compulsory Questions

Q.8	<p>Larsen and Toubro construction company has a demand of 3, 3, 4 and 5 million cubic feet of fill at sites I, II, III and IV in Karnataka. It can transfer the fill from three places A, B and C where there is supply of 2, 6 and 7 million cubic feet of fill respectively. The cost of transportation per million cubic feet of fill in lakhs of rupees is given in the following table. Determine the optimum transportation schedule which minimizes the total cost to the company. What is the optimal transportation cost of the schedule made?</p>	20	L3	CO2																												
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