BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: B. TECH

BRANCH: CIVIL ENGINEERING

SEMESTER: VII/ADD
SESSION: MO/2024

SUBJECT: CE437 TRANSPORTATION PLANNING

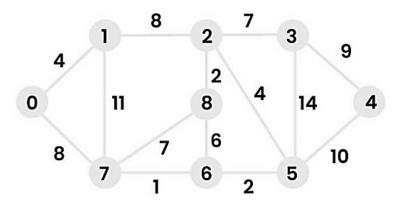
TIME: 3 Hours FULL MARKS: 50

INSTRUCTIONS:

- 1. The question paper contains 5 questions each of 10 marks and total 50 marks.
- 2. Attempt all questions.
- 3. The missing data, if any, may be assumed suitably.
- 4. Before attempting the question paper, be sure that you have got the correct question paper.
- 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a) Q.1(b)	Explain the significance of transportation planning in India? How MRTS is different from BRTS? Explain.				CO CO1 CO1	BL K1 K2
Q.2(a) Q.2(b)	Explain the characteristic of the Freight Transportation Demand. Describe the classification of urban goods movement.				CO2 CO2	K2 K2
Q.3(a)	Table shows data for vehicle trips per day as related to income and persons in household for one zone of study area, develop trip generation equation and find which model is reliable.				CO3	К3
	Income (in Thousand)	Person in Household	Trips per Day			
	48	3	2			
	98	5	4			
	140	7	6			
	190	6	4			
	240	9	5			

Q.3(b) Develop a minimum path tree from node 0 to all other nodes. [5] CO3 K3



- 、 /	Explain the types of basic movements in transportation survey. Prepare a questionnaire for Home Interview Transportation Survey.	F - 3	CO4 CO4	
Q.5(a) Q.5(b)	Explain the various components of urban dynamics. Explain the types of models involved in land-use transportation.		CO5	

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