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School of Engineering (Department of Civil Engineering)
Backlog Examination, June 2023

[Programme: M. Tech in Transportation Engineering] [Semester: II] [Batch:]

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Student Admn. No.: _____

Course Title: Urban Mass Transportation Planning Operation & Management	Max Marks: 1
Course Code: MTPE6002	Time: 3 Hrs.

Instructions:	1. All questions are compulsory.
	2. Assume missing data suitably, if any.

		K Level	COs	Mar
	SECTION-A (15 Marks) 5 Marks each			
1.	Differentiate between trip generation and trip distribution	K2	CO1	5
2.	Discuss transportation planning and its elements.	K2	CO2	5
3.	Explain the purpose of trip distribution	K2	CO3	5
	SECTION-B (40 Marks) 10 Marks each			
4.	Enlist the factors influencing the trip attraction and generation	K3	CO2	10
5.	Describe the need of travel demand forecasting.	K3	CO3	10
6.	Explain major challenges in transportation system	K4	CO4	10
7.	Discuss any 2 types of models used in trip distribution OR Which is the best mode of transport and explain why?	K3	CO5	10
	SECTION-C (45 Marks) 15 Marks each			
8.	How would you analyze and assess the factors influencing trip generation in a specific urban area.	K3	CO3	15
9.	Apply your understanding of traffic management objectives to analyze and evaluate their significance in urban areas.	K2	CO4	15
10	Explain disadvantages of zonal regression model OR Discuss multiple linear regression analysis and its purpose	K6	CO5	15

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Template 1

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Course outcomes:	Students will be able to	
COs	K level	
CO1		
CO2		
CO3		
CO4		

Note: 1. Q1 to Q4 from K1/K2.
    2. Q5 to Q8 from K3/K4.
    3. Q9 to Q10 from highest knowledge level.