Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- II(New course) • EXAMINATION (Remedial) - WINTER- 2015

Su	Subject Code: 2721309 Date: 11/12/2 Subject Name: TRANSPORTATION SYSTEM MANAGEMENT		
	ne: 2: tructio	30 pm to 5:00 pm Total Marks: 70	
1115		Attempt all questions. Make suitable assumptions wherever necessary.	
Q.1	(a)	Explain methodology for traffic data collection on congested and problematic corridor.	07
	(b)	What are the different TSM techniques?	07
Q.2	(a) (b)	What are the objectives of TSM? Discuss area wide data collection methodology. OR	07 07
	(b)	Explain TSM actions impact assessment and their evaluation techniques.	07
Q.3	(a) (b)	Write in brief for following TSM actions: i. Staggered work hours and flexible work hours ii. Limited and skip-stop bus services Explain shared ride as a tool of TSM.	04 03 07
	(0)	OR	07
Q.3	(a) (b)	Discuss role of exclusive lanes for buses in urban area for public transportation as TSM technique. Write in brief for following TSM actions:	07
	(0)	i. Park and Ride ii. Car pooling	03 04
Q.4	(a) (b)	What is the impact of TSM action-' on-street parking ban' Write in brief:	07
		i. Reversible lanesii. Travel on shouldersOR	03 04
Q.4		Write the scenario in which any roadway is declared as one way street. What are their impacts?	07
	(b)	Write in brief: i. Traffic calming. ii. Introducing right turn lanes.	03 04
Q.5	(a) (b)	Discuss different parking management techniques. Write in brief:	07
		i. Dial-a-Ride systemii. Pedestrian only streetsOR	03 04
Q.5	(a)	What are the advantages and disadvantages of off street parking?	07
•	(b)	How the prediction of impacts of suggested TSM alternatives can be carried out?	07
