Seat No.:	Enrolment No.

Subject Code: 2721309

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II • EXAMINATION - SUMMER - 2017

Date: 30/05/2017

Subject Name: TRANSPORTATION SYSTEM MANAGEMENT Time: 02:30 PM To 05:00 PM Total Mar			0
Inst	2.	. Attempt all questions.	
Q.1	(a)	Discuss methodology of traffic data collection on congested corridor for transportation system management.	07
	(b)	Explain various strategies for travel demand management and traffic operation improvement.	07
Q.2	(a)	Discuss about traffic data collection on problematic traffic network area for transportation system management action.	07
	(b)	Discuss TSM actions, its implementation and impact analysis. OR	07
	(b)	Explain combination and interaction of different TSM actions.	07
Q.3	(a)	Write in brief: i. Car pooling ii. Park and ride.	03 04
	(b)	Discuss the role of exclusive lanes and priority at ramp terminals for public transportation in TSM.	07
Q.3	(a)	OR Discuss treatments for HOV (high occupancy vehicles).	07
Q.S	(b)	Write in brief:	07
		i. Effect of toll discounts on car pools during peak hours.ii. Importance of shared ride in TSM.	04 03
Q.4	(a)	What is the role of ban on onstreet parking and one way streets for traffic operation improvement?	07
	(b)	Write in brief:	
		i. Reversible laneii. Right turn lane	03 04
		OR	U-
Q.4	(a)	What are the traffic calming measures?	07
	(b)	Write in brief i. Right turn phase	04
		ii. Reroute turning traffic.	03
Q.5	(a)	Discuss about impact of short term reserved parking and increased parking rates	07
	(b)	for parking management. How off-street parking expanded? Also, write impact of it in parking management.	07
		management. OR	
Q.5	(a)	Explain about dial-a-ride facility.	07
	(b)	What is impact of introducing pedestrian only streets?	07
