GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER II– EXAMINATION – WINTER - 2016			
Subject Code: 2721309 Date: 21/11/2			6
Subject Name: Transportation System Management			
Time: 2:30 pm to 5:00 pm Total Marks: 70 Instructions:			0
1. Attempt all questions.			
2. Make suitable assumptions wherever necessary.			
	3	. Figures to the right indicate full marks	
Q.1	(a)	What is TSM? List various TSM strategies. Discuss traffic flow improvement strategy.	07
	(b)	Discuss, how incident management system can contribute to mitigate traffic problems.	07
Q.2	(a)	What is transportation demand management? Make suggestion to control traffic demand.	07
	(b)	Discuss the role of paratransit & ride share in making transportation demand. OR	07
	(b)	Explain the role of access control & access management in TSM.	07
Q.3	(a) (b)	Discuss the significance of priority signal and exclusive bus lanes Write a note on Tidal flow	07 07
		OR	
Q.3	(a) (b)	Write a note on Transit Enhancement Discuss the role of Public transit in managing traffic flow	07 07
Q.4	(a) (b)	Discuss with neat sketch the advantages of flaring at intersection What is congestion pricing? Discuss its advantages. OR	07 07
Q.4		What are park & ride lots? Discuss its contribution for TSM.	14
Q.5	(a)	Discuss the role of telecommunication, flexible work hours in mitigating traffic flow problem	07
	(b)	Write a note on coordinated signal its importance. OR	07
Q.5	(a)	Suggest various geometrical improvements for intersection to enhance capacity and safety.	07
	(b)	Discuss strategies for goods movement management between urban commercial industrial regions.	07
