Seat No.: Enrolment No		
GUJARAT TECHNOLOGICAL UNIVERSITY M.E –II st SEMESTER–EXAMINATION – JULY- 2012 Subject code: 1721303 Date: 10/07/20 Subject Name: Regional and Mass Transportation Time: 10:30 am – 13:00 pm Total Marks: Instructions:		
2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
	No Enrolment No GUJARAT TECHNOLOGICAL UNIVERSITY ct Code:1721303 Subject Name: R&M'	
Instruc	Total Marks:70 ctions: 1. Attempt all question. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	
Q.1	(a)Discuss the problems encounter in Regional Transportation Planning?(b)Discuss the theories of Regional Planning.	07 07
Q.2	(a)Describe Cohort Survival model.(b)Explain various methods of population forecasting.OR	07 07
	(b)What are the criteria for Rural Spatial Structure?	07
Q.3	(a)Enlist land use transportation models and discuss any one in details.(b)What are the topological graphs? How are they prepared?	07 07
Q.3	(a)Explain connectivity measures of road network with examples.(b)Discuss topological measures to determine the priority for the network improvement.	07 07
Q.4	(a)Compare the geometric efficiency of square, hexagonal and circular urban forms. (b)What is centrality score? How it can be determined? OR	07 07
Q.4	(a)Discuss various models for goods movements.(b)Briefly state views of various government organization on RR planning.	07 07
Q.5	(a) Discuss three basic planning methodologies.(b) Explain three types of Regional Planning.	07 07

OR

07 07

(a) Explain how freight transportation is important for growth of urban economy? (b)Discuss link efficiency of rural road network planning.

Q.5