GUJARAT TECHNOLOGICAL UNIVERSITY ME - SEMESTER- II(Old course) • EXAMINATION (Remedial) – WINTER- 2015 Subject Code: 2721303 Date: 10/12/2015 Subject Name: Regional and Mass Transportation System Planning			
Time:2:30 pm to 5:00 pmTotal Marks: 70			0
Inst	2.	ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Discuss the problems encounter in Regional Transportation Planning. Describe Cohort Survival model.	07 07
Q.2	(a) (b)	Discuss the theories of Regional Planning. Explain the application of land use models for Regional Transportation Planning. <b>OR</b>	07 07
	(b)	Describe Saturation system based on utility concept for preparing master plan of roads.	07
Q.3	(a) (b)	Describe Employment forecasting models. What is Input-Output analysis? How it is useful in Regional transportation Planning?	07 07
		OR	~ -
Q.3	(a) (b)	What are the criteria for Rural Spatial Structure? Explain the rural road network development approaches.	07 07
Q.4	(a) (b)	Describe the various issues and approaches of regional freight transportation. Discuss: õGrowth poles and growth centers are instruments of regional development.ö	07 07
OR			
Q.4	(a) (b)	Discuss social and environmental aspects of regional development. Enlist and explain criteria for delineation of a region for transportation planning.	07 07
Q.5	(a) (b)	Describe the points to be considered for Urban Mass Transit planning. Explain various principles to be kept in mind while Urban Mass Transit scheduling.	07 07
Q.5	(a) (b)	<b>OR</b> Which factors do you consider while Urban Mass Transit network design? How will you predict the demand and spatial allocation for Urban Goods movement?	07 07

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