

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E –IIst SEMESTER–EXAMINATION – JULY- 2012

Subject code: 1721303

Date: 10/07/2012

Subject Name: Regional and Mass Transportation

Time: 10:30 am – 13:00 pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Seat No. _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Subject Code:1721303

Subject Name: R&MTSP

Total Marks:70

Instructions:

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? | 07 |
| | (b)Discuss the theories of Regional Planning. | 07 |
| Q.2 | (a)Describe Cohort Survival model. | 07 |
| | (b)Explain various methods of population forecasting. | 07 |
| | OR | |
| | (b)What are the criteria for Rural Spatial Structure? | 07 |
| Q.3 | (a)Enlist land use transportation models and discuss any one in details. | 07 |
| | (b)What are the topological graphs? How are they prepared? | 07 |
| | OR | |
| Q.3 | (a)Explain connectivity measures of road network with examples. | 07 |
| | (b)Discuss topological measures to determine the priority for the network improvement. | 07 |
| Q.4 | (a)Compare the geometric efficiency of square, hexagonal and circular urban forms. | 07 |
| | (b)What is centrality score? How it can be determined? | 07 |
| | OR | |
| Q.4 | (a)Discuss various models for goods movements. | 07 |
| | (b)Briefly state views of various government organization on RR planning. | 07 |
| Q.5 | (a) Discuss three basic planning methodologies. | 07 |
| | (b) Explain three types of Regional Planning. | 07 |
| | OR | |
| Q.5 | (a) Explain how freight transportation is important for growth of urban economy? | 07 |
| | (b)Discuss link efficiency of rural road network planning. | 07 |
