

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013****Subject code: 1721307****Date: 05-06-2013****Subject Name: Economic Evaluation of Transportation Projects****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Explain elasticity analysis for demand and supply in transportation sector. **07**
(b) Explain different methods of economic evaluation with advantages and drawbacks of each method. **07**
- Q.2** (a) What are the benefits of mass transit system? Which costs are involved in the system? **07**
(b) What is road pricing? Discuss methods and advantages of road pricing. **07**
- OR**
- (b) Write difference between GNP and GDP. How they are calculated? **07**
- Q.3** (a) Write difference between economic analysis and financial analysis. **07**
(b) What is the difference between ordinal approach and cardinal approach? Explain their analysis with example. **07**
- OR**
- Q.3** (a) How roaduser cost is calculated? What are the factors affecting RUC? **07**
(b) Discuss the role of private sector in financing transportation projects. **07**
- Q.4** (a) Discuss role of taxes and tolls in financing transportation projects. **07**
(b) Discuss national policy in context of fares and subsidy which are directly affecting transportation projects. **07**
- OR**
- Q.4** (a) Discuss various Benefits of transportation project. **07**
(b) Why sensitivity analysis is carried out for transportation projects? Explain method of analysis. **07**
- Q.5** (a) Discuss types and effects of inflation. **07**
(b) Discuss various costs of transportation project. **07**
- OR**
- Q.5** (a) How traffic system evaluation is carried out? **07**
(b) Discuss the factors affecting maintenance cost. **07**
