

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

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

Subject code: 1721907

Date: 14/07/2012

Subject Name: Road Safety

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.**

- Q.1** (a) What is biomechanics of accident? How it helps in hazards reduction? **07**
(b) What is vulnerable road user? Discuss about global road safety scenario. **07**

- Q.2** (a) Discuss about various methods of accident costing. Also, state importance of insurance in case of accident. **07**
(b) What is legal framework for road safety in India? **07**

OR

- (b) Explain various traffic signs used for road safety with their standards and specifications. **07**

- Q.3** (a) What is road safety audit? What are the objectives of RSA? **07**
(b) Discuss about measurement of effectiveness of Traffic System Management. **07**

OR

- Q.3** (a) What is the need for road safety policy? State road safety policies in India. **07**
(b) What are the Traffic System Management strategies? **07**

- Q.4** (a) Discuss about traffic management techniques for road safety. **07**
(b) Enlist various road safety devices with their types. **07**

OR

- Q.4** (a) Discuss about various road safety measures to prevent accidents. **07**
Q.4 (b) Suggest road trip tips for children and drivers of the vehicles. **07**

- Q.5** (a) Discuss about stages of safety audits of a road project. **07**
(b) How accident data recording are carried out? **07**

OR

- Q.5** (a) Discuss about hurdles in road safety. **07**
(b) What are the causes of accident? **07**
