

**GUJARAT TECHNOLOGICAL UNIVERSITY****M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013****Subject code: 1721907****Date: 07-06-2013****Subject Name: Road Safety****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) What is Road Safety Audit? What are its objectives? **07**  
(b) State importance of road safety. Enumerate remedial measures to improve Highway Safety. **07**
- Q.2** (a) Enumerate and discuss the causes of road accidents. **07**  
(b) Write short note on Accident Data Recording. **07**
- OR**
- (b) Compare accident problem on scale in India and in US in brief. **07**
- Q.3** (a) State the functions of National Road Safety and Traffic Management Board. **07**  
(b) Briefly discuss the deficiencies of Indian Motor Vehicle Act. **07**
- OR**
- Q.3** (a) State the advantages of power-steering for commercial vehicles with respect to road safety. **07**  
(b) Describe the following terms: (i) Defensive driving (ii) Necked down (iii) Road rage (iv) Tailgater (v) Blind spot (vi) Driver's license **07**
- Q.4** (a) Discuss methods of ensuring safety of pedestrians. **07**  
(b) Discuss traffic management techniques for road safety. **07**
- OR**
- Q.4** (a) Describe various enforcement measures for the road safety. **07**  
(b) Describe various educational measures for the road safety. **07**
- Q.5** (a) Describe the methods for evaluating accident costs and insurances. **07**  
(b) Discuss features of different types of road signs and aspects of positioning them. **07**
- OR**
- Q.5** (a) Explain importance of post injury management and hazard reduction techniques. **07**  
(b) Explain importance and state the objects of road markings. **07**

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