Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER - II • EXAMINATION - SUMMER • 2013

Sul	bject	code: 1721907 Date: 07-06-2013	
	•	Name: Road Safety 0.30 am – 01.00 pm Total Marks: 70	
Ins	struc	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a) (b)	What is Road Safety Audit? What are its objectives? State importance of road safety. Enumerate remedial measures to improve Highway Safety.	07 07
Q.2	(a) (b)	Enumerate and discuss the causes of road accidents. Write short note on Accident Data Recording. OR	07 07
	(b)	Compare accident problem ó scale in India and in US in brief.	07
Q.3	(a) (b)	State the functions of National Road Safety and Traffic Management Board. Briefly discuss the deficiencies of Indian Motor Vehicle Act. OR	
Q.3	(a) (b)	State the advantages of power-steering for commercial vehicles with respect to road safety. Describe the following terms: (i) Defensive driving (ii) Necked down (iii) Road	07 07
	(b)	rage (iv) Tailgater (v) Blind spot (vi) Driverøs license	U I
Q.4	(a) (b)	Discuss methods of ensuring safety of pedestrians. Discuss traffic management techniques for road safety. OR	07 07
Q.4	(a) (b)	Describe various enforcement measures for the road safety. Describe various educational measures for the road safety.	07 07
Q.5	(a) (b)	Describe the methods for evaluating accident costs and insurances. Discuss features of different types of road signs and aspects of positioning them. OR	07 07
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
