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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech IV Year I Semester Supplementary Examinations Aug-2022

ELEMENTS OF ROAD TRAFFIC SAFETY

(Open Elective)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1 Give an account on various road accident cost methods. **12M**

OR

2 Compare the road accidents in various countries with regarding to different aspects. **12M**

UNIT-II

3 a What are the various enforcement methods and instruments for detection of speed violators? **6M**

b Briefly explain about speed zoning. **6M**

OR

4 Briefly explain about various traffic regulatory measures that should be considered for On-street Parking. **12M**

UNIT-III

5 Give a detailed discussion about different types of traffic signs. **12M**

OR

6 What do you know about Informatory signs and indicate different types of it with neat sketch. **12M**

UNIT-IV

7 a Why co-ordination of signals is needed and give its objectives. **6M**

b Briefly explain different types of co-ordinated signal system. **6M**

OR

8 a What is meant by Signal Face, explain it with neat sketch. **6M**

b Briefly explain the concept of illumination of the signals with detailed specifications. **6M**

UNIT-V

9 a Explain briefly about commonly used Materials and Colours in road markings. **6M**

b Briefly explain about stop lines with neat sketch. **6M**

OR

10 Briefly explain about various types of Lamps used in street lighting in view of road traffic safety at night time on roads. **12M**

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