

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

B.Tech. IV Year I Semester Regular & Supplementary Examinations December-2024
ELEMENTS OF ROAD TRAFFIC SAFETY

(Open Elective (OE) – III)

Time: 3 Hours

Max. Marks: 60

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

UNIT-I

- 1 Bring out the various legislation and education measures to be adopted in prevention of road accidents. CO1 L1 12M

OR

- 2 a Come out with brief explanation about parking and its influence on road accidents. CO1 L2 6M
b Explain about the enforcement uses in collection of accident data. CO1 L2 6M

UNIT-II

- 3 Briefly explain the various traffic regulatory measures that should be considered for On-street Parking. CO2 L2 12M

OR

- 4 Briefly explain about different types of Off-street parking facilities. CO2 L2 12M

UNIT-III

- 5 Develop your answer about the following elements in view of road markings: CO3 L2 12M
i) Pavement edge lines
ii) No overtaking zone markings
iii) Traffic lane lines

OR

- 6 Briefly explain about the illumination of traffic rotaries with detailed sketch. CO4 L2 12M

UNIT-IV

- 7 Briefly discuss about warning signs with neat sketches. CO5 L2 12M

OR

- 8 Develop your answer about the following elements in view of traffic signs. CO5 L2 12M
i) Prohibitory signs ii) Warning signs iii) Mandatory signs.

UNIT-V

- 9 a Why co-ordination of signals is needed? CO6 L1 6M
b Briefly explain the different types of co-ordinate signal system. CO6 L2 6M

OR

- 10 a What is meant by Signal Face? Explain it with neat sketch. CO6 L1 6M
b Explain the concept of illumination of signals with specifications. CO6 L2 6M

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