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

**B.Tech IV Year I Semester Supplementary Examinations November-2020**

**ELEMENTS OF ROAD TRAFFIC SAFETY**

(Common to All)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

- 1 a How can a traffic engineer play a major role in prevention of road accidents? **6M**  
b In what way vehicle parking influences on the road accidents. **6M**

**OR**

- 2 a What is the percentage of road accidents in India when compared to the world? **6M**  
b How do you ensure safety on the road? **6M**

**UNIT-II**

- 3 a Compare and discuss about speed limits in rural and urban areas. **6M**  
b Briefly explain about speed zoning. **6M**

**OR**

- 4 a List out the various traffic laws. **6M**  
b What are the ill-effects of parking? **6M**

**UNIT-III**

- 5 a Draw different types of Prohibitory signs by indicating necessary specifications. **6M**  
b Briefly explain the importance of traffic signs. **6M**

**OR**

- 6 a What are the various general principles of traffic signs? **6M**  
b Why traffic signs are required international standardization? **6M**

**UNIT-IV**

- 7 a What is meant by Signal Face, explain it with neat sketch? **6M**  
b What do you meant by Area traffic control and give the objectives of it. **6M**

**OR**

- 8 a Briefly explain different types of co-ordinate signal system. **6M**  
b What is meant by Signal Face, explain it with neat sketch? **6M**

**UNIT-V**

- 9 a How the Discernment by artificial lighting is possible, Explain different ways. **6M**  
b Write down about Traffic lane lines and No overtaking zone markings. **6M**

**OR**

- 10 a What are general principles of longitudinal pavement markings? **6M**  
b Explain the concept of stop lines with neat sketch. **6M**

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