

Code: CE7T5C

IV B.Tech - I Semester – Regular Examinations – November 2015

**TRAFFIC ENGINEERING
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Briefly describe the various Traffic characteristics that are to be considered in Traffic Engineering. 7 M
- b) Find the relationship among traffic parameters. 7 M
2. a) How is the Traffic volume study conducted in the field?
How is the traffic volume data presented? 7 M
- b) What are the advantages of manual methods of traffic volume data collection and situations where these methods are to be preferred? 7 M
3. a) Define capacity of a road and explain the significance of determination of capacity of road. 7 M
- b) What are the factors affecting the capacity and level of service of roads? 7 M

4. a) Explain with sketches, the common methods of on – street parking. 7 M
- b) Discuss the advantages and disadvantages of on-street, off – street parking facilities. 7 M
5. a) What are traffic control devices? Explain each type with examples. 7 M
- b) Explain the advantages and disadvantages of different types of signals. 7 M
6. a) Describe the methods to reduce noise pollution due to traffic. 7 M
- b) Explain different measures to reduce air pollution due to traffic. 7 M
7. a) Describe with sketches, various categories of carriage way markings on roadway. 7 M
- b) What are the standards and specifications for road markings? 7 M
8. a) What are the various types of road accidents and explain their causes? 7 M
- b) What is road safety audit? What is its significance? 7 M