PVP 14

Code: CE7T4C

IV B.Tech - I Semester – Regular/Supplementary Examinations
October - 2018

TRAFFIC ENGINEERING
(CIVIL ENGINEERING)

Duration: 3 hours Max. Marks: 70

PART – A

Answer ***all*** the questions. All questions carry equal marks

11 x 2 = 22 M

1.

a) Define the term traffic volume.
b) What is the advantage of manual methods over mechanical methods in traffic volume studies?
c) What are the objectives of speed studies?
d) Explain the principle of LOS.
e) What are the regulation concerning traffic?
f) List out the types of parking facilities.
g) Explain the concept of park and walk.
h) Define the acceptable level of noise.
i) List out the various mandatory signs.
j) What are the general principles of road marking?
k) List out the educational measures in road safety.

PART – B

Answer any ***THREE*** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) What are the basic characteristics of traffic? Explain in detail. 8 M

   b) What are the various statistical methods for analysis of speed data? 8 M

3. a) List out various roadway factors and traffic factors of a highway. 8 M

   b) Discuss traffic regulations concerning vehicles and driver. 8 M

4. a) Discuss design standards for an on-street and off-street parking facilities. 8 M

   b) Explain various traffic problems in urban area. 8 M

5. a) Discuss the measures for control of air pollution. 8 M

   b) What are the general principles of traffic signs? 8 M

6. a) Explain the lane markings and object markings. 8 M

   b) What are the various engineering measures to reduce accidents? 8 M