

B.Tech. (Civil) Elective - V,
7th Semester (G - Scheme)
TRAFFIC ENGINEERING

Examination, December-2022

Paper - PEC-CEEL-421-G

Time allowed : 3 hours]

[Maximum marks : 75

Note: Question no. 1 is compulsory. Attempt total five questions selecting one question from each unit. All questions carry equal marks.

1. (a) What are the maximum dimensions and weight of vehicles allowed in India?
(b) Explain Traffic Speed Study.
(c) Explain PCU.
(d) What do you understand by off street parking?
(e) Explain Motor vehicle act.
(f) What are different factors affecting fuel consumption?

$$6 \times 2\frac{1}{2} = 15$$

Unit - I

2. What do you understand by Traffic Characteristics?
Explain the importance of Traffic characteristics. 15
3. Explain the use of Photographic technique in traffic survey. 15

Unit - II

4. Explain traffic accident. What is the cause of road accident? How road accident can be controlled? 15
5. Explain the brief review of capacity of urban roads. 15

Unit - III

6. Explain Traffic Sign Signals in details. 15
7. What do you mean by parking surveys? Explain on street parking and off street parking. 15

Unit - IV

8. Explain RSA in details. 15
9. What are alternate fuels? Explain the importance of alternate fuels. 15