

Printed Pages – 3

Roll No. : .....

**320750(20)**

**B. E. (Seventh Semester) Examination, Nov.-Dec. 2021**

**(New Scheme)**

**(Civil Engg. Branch)**

**TRAFFIC ENGINEERING**

***Time Allowed : Three hours***

***Maximum Marks : 80***

***Minimum Pass Marks : 28***

***Note : Part (a) from each question is compulsory.  
Attempt any two parts from (b), (c) and (d)  
of each question.***

**Unit-I**

1. (a) What is PCU?

2

**320750(20)**

**PTO**

[ 2 ]

- (b) Give a brief note on the working and functioning of a Traffic Engineer. 7
- (c) Discuss the issues associated with mix traffic on Indian roads and suggest the measures to meet the problem. 7
- (d) What is 3 e's of traffic engineering? 7

**Unit-II**

2. (a) Define spot speed. 2
- (b) What are the methods available for traffic count? Give a brief note on it. 7
- (c) Explain various types of parking with neat sketch. 7
- (d) What is origin and destination studies? 7

**Unit-III**

3. (a) What is traffic island? 2
- (b) Give a brief on different types of traffic signs with examples. 7
- (c) Explain various design features responsible for street lighting. 7

[ 3 ]

- (d) Give short notes on : 7
- (i) Islands and Marking
- (ii) Traffic control aids

**Unit-IV**

4. (a) Define the concept of providing highway lighting. 2
- (b) Explain how accident analysis will be carried out. 7
- (c) Define and discuss road safety audit. 7
- (d) What are application and usages of collecting an accidental data? 7

**Unit-V**

5. (a) Define noise pollution. 2
- (b) Give a brief note on environmental impact assessment. 7
- (c) What are the measure for collecting air pollution from traffic. 7
- (d) Give a brief note on arboriculture. 7