School of Engineering

B.TECH Civil Engineering
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem VII - BCE01T5602 - Traffic Engineering

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Simplify the meaning of street parking.	K1 (2)
2)	Differentiate between Flexible pavement and Rigid pavements	K2 (4)
3)	Analyse the advantages and disadvantages of traffic signals in terms of their operational effectiveness and potential drawbacks.	K2 (6)
4)	Explain the vehicular factors that influence road accidents.	K3 (9)
5)	Compare fixed time, vehicle-actuated and semi-vehicle actuated signals .	K3 (9)
6)	Discuss the causes of road accidents and discuss how each of these factors leads to accident and its preventive measures	K5 (10)
7)	Assess the effectiveness of the Motor Vehicle Act in reducing accidents and promoting traffic safety	K4 (12)
8)	Evaluate the various forms of at-grade intersections.	K5 (15)
9)	Show the conflict points at the intersection of the following types: (a) Cross-roads, both two-way (b) Cross-roads, one-way (c) T-intersection, both two-way (d) Y-intersection, one one-way	K5 (15)
10)	Discuss on (a) Regulations of vehicle (b)Regulations concerning the driver	K6 (18)