

School of Civil Engineering

Civil Engineering
ETE - Jun 2023

Time : 3 Hours

Marks : 50

Sem II - MTPE6001 - Advanced Traffic Engineering and Safety

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Discuss about intelligent transportation system K2 CO5 (2)
2. Discuss the flow variables and the relation among them . K1 CO1 (2)
3. Define Local area transportation system management . K2 CO3 (2)

4. Define the elements of area traffic control. K2 CO4 (2)
5. Discuss the objectives of Accident studies. K1 CO2 (2)

6. Explain in detail about medium- and long-term traffic management measures and their uses. K4 CO3 (6)
7. Explain in detail about Road safety audit . K3 CO2 (5)
8. Explain in detail about Queuing theory and applications K3 CO1 (5)

9. Describe in detail. about the objectives of Accident studies. K5 CO5 (8)
10. Explain the concept of flow variables and their relevancies in traffic study. K4 CO1 (8)
11. Explain the concept of a "traffic safety culture" and discuss its significance in reducing accidents. K5 CO4 (8)