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School of Engineering
M.TECH Transportation Engineering
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - G1PD201T - Advanced Traffic Engineering and Safety

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) Explain with diagrammatic explanation about all the countermeasures could be taken to reduce the safety and give the reduction percentage. K2 (2)
- 2) Analyse the traffic flow with traffic forecasting method, how it influence the safety K1 (3)
- 3) What are the factors governing traffic growth in urban areas? K2 (4)
- 4) Explain the concept of traffic demand management and its importance in urban planning. K2 (6)
- 5) What role does driver behavior play in traffic safety? K3 (6)
- 6) How does weather conditions affect traffic safety? K3 (9)
- 7) Differentiate between Uniform growth factor and average growth factor method K4 (8)
- 8) Analyse the individual accidents to arrive at causes. K4 (12)

OR

List the short-term measures for improving road safety. K4 (12)