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School of Engineering
M.TECH Transportation Engineering
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem III - MTPE7001 - Smart and Sustainable Transportation

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) What is ADA in transportation? K1 (2)
- 2) Demonstrate how the historical evolution of transportation planning has influenced present-day policies. K2 (4)
- 3) Geography influence the design and route planning of mass transit systems? Exten your view K2 (6)
- 4) Identify Cycles Planning Principles. K3 (9)
- 5) Discuss on Pedestrian Planning Principles. K3 (9)
- 6) Propose a well-designed public transportation system improve the quality of life for residents of a city. K5 (10)
- 7) Conclude your thoughts on benefits of promoting walking and cycling as transportation options? K4 (12)
- 8) Evaluate the performance of a transit system in meeting the needs of differently-abled individuals. K5 (15)
- 9) Evaluate the economic viability of implementing a new transit mode. K5 (15)
- 10) Design a comprehensive mass transportation system for a rapidly growing city. K6 (18)