

Code No: 137HV

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, March - 2021

TRAFFIC ENGINEERING

(Civil Engineering)

Time: 3 Hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

- 1.a) What is meant by volume? How the traffic volume studies are conducted. Describe? [7+8]
b) What are the different types of speed studies? Discuss? [7+8]
- 2.a) Describe the analysis of parking survey data in detail.
b) How the accident data collection is done? Explain. [7+8]
- 3.a) What are the factors affecting capacity? Explain in detail.
b) Discuss briefly about Level of Service without access control. [7+8]
- 4.a) Explain the procedure to determine the optimum cycle length in signaling system.
b) Write a short note on signal coordination. [7+8]
- 5.a) Define TSM. Explain briefly about the measures to improve vehicular flow.
b) Write down the strategies for working hours. [7+8]
- 6.a) Explain briefly about O&D Studies.
b) Explain how parking inventory study is conducted? Discuss. [7+8]
- 7.a) Elaborate causative factors of road accidents?
b) Write a short note on driver population adjustment. [7+8]
- 8.a) Discuss briefly about lane group analysis.
b) Write a short note on reversible lanes. [7+8]

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