

CBCS SCHEME

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18PLN33

Third Semester B.Planning. Degree Examination, Dec.2019/Jan.2020

Transportation Planning - I

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What is Transportation Planning along with objectives of Transportation Planning? (10 Marks)
- b. Explain Supply and Demand relationship. (10 Marks)

OR

- 2 Briefly explain travel demand modeling with examples. (20 Marks)

Module-2

- 3 a. Explain different modes of transport along functions of transport. (10 Marks)
- b. Explain types of volume counts, with neat sketches. (10 Marks)

OR

- 4 Explain Typology of junctions, with neat sketches. (20 Marks)

Module-3

- 5 a. Difference between Cycle Paths and Pedestrian path. (05 Marks)
- b. Explain benefits of Public transport and explain how are you going to plan transportation for public. (15 Marks)

OR

- 6 a. Difference between Non – motorized transport and Public transport. (05 Marks)
- b. Explain Integrating NMT and Public transport, with suitable example. (15 Marks)

Module-4

- 7 a. Explain factors governing Trip Generation. (10 Marks)
- b. Explain needs and limitations of Traffic forecasting's. (10 Marks)

OR

- 8 a. Explain classification of Land use. (10 Marks)
- b. Explain reasons for Traffic Growth. (05 Marks)
- c. Explain Trip Generation. (05 Marks)

Module-5

- 9 a. Explain effects of traffic on the Environment. (15 Marks)
- b. Explain Traffic calming. (05 Marks)

OR

- 10 a. Explain 3 E's of road safety program in reducing the road accidents. (10 Marks)
- b. Explain causes of Accidents. (10 Marks)

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