



CBCS SCHEME

17CT832

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Eighth Semester B.E. Degree Examination, July/August 2021 Urban Transportation and Planning

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. Explain the process involved in system approach in Transport Planning. (10 Marks)
b. What are the scope of Urban Transportation and Planning? (05 Marks)
c. Explain Zoning. (05 Marks)
- 2 a. What are the survey that are usually carried out in Urban transportation and Planning? (05 Marks)
b. Define Study area of transportation facilities. How do you make the interdependency of land use and traffic system of Urban Transportation and Planning? (12 Marks)
c. List the types of Survey. (03 Marks)
- 3 a. What are the factors governing Trip generation and attraction? (08 Marks)
b. List the stages in Transport Planning Process. (05 Marks)
c. Define Category Analysis. Mention the assumptions made in Category Analysis. (07 Marks)
- 4 a. What is Multiple Linear Regression Analysis? Mention the assumptions made. (10 Marks)
b. List out the disadvantages of Multi – Linear Regression Analysis Techniques. (05 Marks)
c. Explain Disaggregated Analysis. (05 Marks)
- 5 a. Define Trip distribution. List the methods of Trip distribution. (06 Marks)
b. Explain in detail, Growth Factor method. (07 Marks)
c. What are the assumption done in Uniform Factor method? (07 Marks)
- 6 a. Explain in detail Fractor and Furness method. (10 Marks)
b. Explain Synthetic methods of trip distribution. (10 Marks)
- 7 a. What do you mean by Modal Split? Explain the factors affecting the modal split. (10 Marks)
b. Explain Modal split in Urban Transportation Planning. (10 Marks)
- 8 a. Define Lowery Modal and Grain Lowry Model. (06 Marks)
b. What do you mean by Land use transport Modal? (08 Marks)
c. Explain Traffic Forecasting. (06 Marks)
- 9 a. State the difficulties in transport planning for medium and small size cities. (10 Marks)
b. Explain any one recent case study which is done on the Transport planning for medium and small size cities. (10 Marks)
- 10 Explain in detail Quick Response Techniques with example. (20 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.