RM19002097

Registration No:

Total Number of Pages : 1   **M.TECH**
M.TECH 2ND SEMESTER (AR 18) REGULAR EXAMINATIONS, APRIL/MAY 2019
INFRASTRUCTURE ENGINEERING AND TRANSPORTATION
Branch: SE, Subject Code:MSEPE2051
Time: 3 Hours   **Max Marks : 70**

PART-A   **(10 X 2=20 MARKS)**

1. Answer the following questions.
(a) What do you mean by system approach to transportation planning?
(b) What is zoning?
(c) What are the various stages involved in data management of transportation planning?
(d) What do you mean by trip generation?
(e) What are the various classes of trip purpose?
(f) What are the vehicular characteristics affecting fuel consumption?
(g) What do you mean by the concept '*gravity model'*?
(h) Draw the schematic diagram for modal split carried out between trip generation and trip distribution.
(i) State the assumptions taken in multiple linear regression analysis.
(j) Why there is a need to evaluate the transportation planning process?

PART-B   **(5 X 10=50 MARKS)**

Answer any five questions from the following.

2. (a) Describe the features of Lowry Model.   [5]
    (b) Explain Average Factor Method of Trip distribution.   [5]

3. (a) What are the various process of evaluation for the Transportation Process?
    (b) How the country economy is benefited with prevention of accidents?   [5]

4. (a) Compare the various methods of economic evaluation.   [5]
    (b) Describe the different classes of Transport Users.   [5]

5. (a) Explain Logit Model and Trip Interchange model.   [5]
    (b) Give an account of different types of modal split models.   [5]

6. (a) Describe the methods of collecting travel pattern data.   [5]
    (b) Discuss in brief about the travel demand forecasting evaluation stages.   [5]

7. (a) Explain the transportation planning morphology   [5]
    (b) Discuss about the role of transportation in society.   [5]

8. Write short notes on   [5]
    (a) Commercial Vehicle Surveys   [5]
    (b) Criticism of Growth factor Methods   [5]

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