

Registration No:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages : 1

M.TECH

M.TECH 2ND SEMESTER (AR 17) SUPPLEMENTARY 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.

- Explain the process of transportation planning.
- What do you mean by regression analysis?
- What is the necessity of modal split?
- What includes the inventory of existing travel pattern?
- Express the model form for home based social model.
- What is disaggregating mode-choice model?
- What are the characteristics of the transportation system?
- What are the Innovative Commercial Vehicle Tracking Methods?
- What do you mean by License Plate Follow-Up Survey Technique?
- What is Spatial Interaction Model?

PART-B

(5 X 10=50 MARKS)

Answer any five questions from the following.

- Describe Bus Rapid Transit System. [5]
 - What are the advantages and disadvantages of category analysis of trip Generation model? [5]
- What are the possible identifications or datas are collected by the use of transportation planning survey? [5]
 - Describe on Urban Land use Model. [5]
- What are the basic assumptions needed to be taken for the analysis of good transportation planning? [5]
 - State the difference between Long range Planning and Transportation System Management Planning. [5]
- Describe the limitations of Conventional Assignment Models. [5]
 - State the applications for Trip assignment. [5]
- Describe the Route assignment techniques needed to be carried out for transportation planning. [5]
 - State the difference between Trip End Modal Split and Trip Interchange Modal Split. [5]
- Describe the Furness method of Trip Distribution. [5]
 - Discuss the promotional activities of Public Transport. [5]
- Write short notes on
 - Disadvantages of aggregated models [5]
 - Post-card questionnaire surveys [5]