

Code No: **R41017****R10****Set No. 1**

IV B.Tech I Semester Supplementary Examinations, February/March - 2018
URBAN TRANSPORTATION PLANNING
(Civil Engineering)

Time: 3 hours**Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

- 1 a) Describe various urban transportation problems and issues. [8]
b) Distinguish between cordan lines and screen lines. [7]
- 2 a) Explain various survey sampling techniques used in data collection process.
How do you refine the data various checks for the data? [8]
b) Discuss the characteristics of highway networks. [7]
- 3 a) What is trip generation? Describe in details about the trip characteristics. [8]
b) Explain the personal trip generation models. [7]
- 4 a) Specify the advantages and disadvantages of growth factor method. [8]
b) Distinguish between opportunity model and gravity opportunity model. [7]
- 5 a) Explain the concept of logit models for mode choice analysis. [8]
b) Discuss the zonal regression models in choice analysis. [7]
- 6 What is trip assignment? List out various trip assignment techniques?
Describe all or nothing assignment techniques with suitable numerical
example. [15]
- 7 a) Describe in detail about the different types of plans. [8]
b) Discuss the different evaluation techniques in detail. [7]
- 8 Explain in detail the characteristics and capacities of different mass transit
systems in urban transportation. [15]