



- Notes :
1. All question carry equal marks.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.
 5. Solve **any five** questions.
 6. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Attempt **any two**.
 - a) Explain Registration number plate survey for UTP. 8
 - b) What are the stages in Transportation planning? Explain in brief. 8
 - c) Describe the stages involved in the process of Urban Transport Planning. 8
2. a) Explain in brief. 8
 - Inventory of Land use.
 - Gravity Model for Trip distribution
- b) What is meant by Multiple linear regression analysis? Write various assumptions considered in category analysis. 8
3. a) Explain minimum path and minimum path with capacity restraint trip assignment techniques. 8
- b) Explain factors affecting sente choice behavior. 8
4. a) What are the evolution alternatives? Draw a conceptual framework for evaluation of transportation improvements. 8
- b) What is traffic Assignments? State its application. 8
5. a) Explain in brief Headway control strategies. 8
- b) Explain – Freight Transport. 8
6. Attempt **any two**.
 - a) Explain in brief types of layout of depot & Terminals. 8
 - b) Explain the consideration in locating off street facilities. 8
 - c) Explain in brief twin depot concept. 8
