

M.E. First Semester (Civil Engineering (Transpo. Engg & Manag.)) (New - CGS)
13104 : Transport Planning and Management : 1 SFTR 2

P. Pages : 1

Time : Three Hours



AU - 3331

Max. Marks : 80

- Notes :
1. All question carry equal marks.
 2. Answer **any five** questions.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.
 5. Use of pen Blue/Black ink/refill only for writing book.

1. a) Describe the stages involved in the process of urban transport planning. 8
b) Explain Registration number plate survey for UTP. 8
2. a) Explain in brief 8
- Inventory of Land use
- Gravity model for Trip distribution.
b) What is meant by multiple regression Analysis? Write various assumptions considered in category analysis. 8
3. Attempt **any two**
a) Explain factors affecting sente choice behaviour. 8
b) What are the different methods of trip distribution? Describe Fratar method with mathematical expression. 8
c) Explain flow diagram of modal split carried out between trip generation & trip distribution. 8
4. Attempt **any two**.
a) Explain "Moore's Algorithm" for minimum path tree in Traffic assignment. 8
b) Explain fundamental structure of Lowry model. 8
c) State and explain measures to minimize traffic congestion in cities. 8
5. Attempt **any two**.
a) What are the main contents included in motor vehicle act 1988. 8
b) Explain in brief-twin depot concept. 8
c) Explain the types of parking. 8
6. Attempt **any two**.
a) Explain in brief-Headway control strategies. 8
b) Explain the considerations for locating off street parking facilities. 8
c) Explain in brief-vehicle routing and scheduling. 8
