

Roll No.

23230

**M. Tech. 1st Semester
(Civil Engg.) Transportation Engg.
Examination – January, 2023
TRANSPORTATION SYSTEMS PLANNING**

Paper : CE-641

Time : Three hours] [Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Section. Question no. 1 is *compulsory*. All question carry equal marks.

1. Describe the following : 20
- (a) Trip distribution
 - (b) System planning
 - (c) Model splits
 - (d) Plan synthesis

SECTION – A

2. Explain the brief description about urban and regional transport system. 20
3. Explain scope and limitations of system analysis. 20

SECTION – B

4. Explain the transportation planning based upon system analysis. 20
5. Explain the procedure to survey the existing conditions of transportation. 20

SECTION – C

6. How we can analyze the existing conditions of transportation system ? 20
7. Explain the models for trip generation. 20

SECTION – D

8. Explain the plan synthesis and evaluation in transportation system planning. 20
9. Explain the traffic assignment and model split in planning of transportation system. 20