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Roll No. : .....

**320748(20)**

**B. E. (Seventh Semester) Examination,  
Nov.-Dec. 2021**

**(New Scheme)**

**TRANSPORTATION PLANING and MANAGEMENT**

***Time Allowed : Three hours***

***Maximum Marks : 80***

***Minimum Pass Marks : 28***

***Note : Attempt all questions. Each question carrying equal marks. Part (a) of every question is compulsory. Answer any two bits from (b), (c) and (d) from the remaining question..***

**Unit-I**

1. (a) Enumerate basic two transportation problems in India. 2  
(b) Give a brief account on the principle of Transport Planning. 7

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- (c) What are the goal and objectives of comprehensive transportation planning? Enumerate. 7
- (d) Give short notes : 7
- (i) Regional transportation plans
- (ii) Process of urban transport planning

**Unit-II**

2. (a) What do you understand by the term trip? 2
- (b) Give a brief account on Trip classification. 7
- (c) Give short notes on multiple regression Analysis. 7
- (d) What is Category Analysis? Explain. 7

**Unit-III**

3. (a) What is Trip Distribution? 2
- (b) Give short notes : 7
- (i) Uniform factor method
- (ii) Average factor method
- (c) What do you understand by elementary gravity model? 7

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- (d) Give a brief account on limitations of growth factor method. 7

**Unit-IV**

4. (a) What is diversion curves? 2
- (b) Give a brief account on binomial and Multinomial logic model. 7
- (c) Give a brief account on multiple 2-route Assignment. 7
- (d) What is model specification? Explain. 7

**Unit-V**

5. (a) Name Transport facility for elderly population. 2
- (b) Give a brief account on need and benefits of transport project. 7
- (c) Explain benefit cost ratio method. 7
- (d) Explain in brief internal rate of Return method. 7