

**B.TECH. CIVIL ENGINEERING
(BTCLEVI)**

Term-End Examination

June, 2013

0
2
6
0
0

BICEE-016 : TRANSPORTATION PLANNING

Time : 3 hours

Maximum Marks : 70

-
- Note :** (i) *Answer any five questions.*
(ii) *Assume missing data if any.*
(iii) *Use of scientific calculator is permitted.*
-

1. (a) Discuss the role of transportation in society. 7
(b) Explain the interrelationship between land use and transport with the help of a diagram. 7

2. (a) Explain the transportation planning morphology. 6
(b) What do you understand by Travel Demand ? On what independent variables it depends ? 8

3. (a) What is the purpose of zoning ? What are the points that are kept in view while dividing the area into zones. 8
(b) Explain in detail the road side interview survey. 6

4. (a) Explain the multiple regression analysis used for trip generation. 7
- (b) Discuss the concept of Gravity model with equations. 7
5. (a) Explain the use of Diversion Curves in mode split analysis. 7
- (b) Differentiate between average factor method and uniform factor method with suitable examples. 7
6. (a) Explain the general principles involved in traffic assignment. 6
- (b) What are the advantages and disadvantages associated with the aggregated and disaggregated model analysis ? 8
7. (a) Explain the method of all - or - nothing assignment with a simple example. 7
- (b) Give an account of different types of modal split models. 7
-