

B.Tech. IN CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

00355

December, 2014

BICEE-016 : TRANSPORTATION PLANNING

Time : 3 hours

Maximum Marks : 70

Note : Answer any *five* questions. All questions carry equal marks.

1. (a) Discuss the evolution of transportation planning process. 7
- (b) What are the various assumptions inherent in demand estimation ? 7
2. (a) What do you understand by zoning ? Discuss the considerations that are taken into account while dividing the area into zones. 7
- (b) Describe the trip attractions of work centers and their relevance in transportation planning. 7
3. (a) What do you understand by travel demand ? What are the various independent variables that influence travel demand ? 7
- (b) Explain the requirements for accuracy checks. 7

4. (a) Differentiate between Mode split analysis and Route split analysis. 7
- (b) Describe the various elements of transportation network. 7
5. (a) Discuss the different trip distribution models. 7
- (b) What do you understand by category analysis? What are the various advantages of category analysis? 7
6. (a) Describe mode choice behaviour with suitable examples. 7
- (b) Discuss, in detail, the home interview surveys. 7
7. (a) Discuss the 'minimum path' technique for trip assignment. 7
- (b) Describe the competing modes and their application in mode split analysis. 7
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