BICEE-016

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

00985

June, 2014

BICEE-016 : TRANSPORTATION PLANNING

Time : 3 hours

Maximum Marks : 70

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

1. (a) Discuss the relevance of transportation and its planning to the society. 7

   (b) Discuss the characteristics of urban travel. 7

2. (a) Describe the sequential, recursive and simultaneous process. 7

   (b) Define study area and discuss its relevance in transportation planning process. 7

3. (a) What are the different types and sources of data required for trip generation analysis ? 7

   (b) Differentiate between trip generation analysis and trip distribution analysis. 7

4. (a) Describe Gravity models and Opportunity models. 7

   (b) Discuss Roadside interviews and Home interview surveys. 7

5. (a) Discuss the various trip generation models. 7

(b) Explain the multiple regression analysis used for trip generation analysis. 7

6. (a) Discuss the probabilistic models with suitable examples. 7

(b) Write a detailed note on expansion factors. 7

7. (a) Discuss the method of 'all-or-nothing' assignment with an appropriate example. 7

(b) Compare the aggregated and disaggregated model analysis. 7

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