

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

**Term-End Examination**

**June, 2016**

00756

**BICEE-016 : TRANSPORTATION PLANNING**

*Time : 3 hours.*

*Maximum Marks : 70*

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

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1. (a) Make an account of urban travel characteristics. 7
- (b) Write a note on the various stages of transport planning process. 7
2. (a) Discuss in detail the role of transportation in a nation's development. 7
- (b) What do you mean by demand function ? Explain its utility in traffic forecasting models. 7
3. (a) What do you mean by definition of the study area ? Explain the various factors to be considered while defining it. 7
- (b) Make an account of various factors governing the trip generation and attraction rates. 7

4. (a) Discuss in detail the procedure and significance of home-interview survey in transportation planning. 7
- (b) Make a critical appraisal of the category analysis technique. 7
5. What is trip distribution ? Explain the various models of synthetic method of trip distribution, with special emphasis on their limitations. 14
6. (a) Explain the utility of modal split in the process of transport planning. 7
- (b) Discuss the advantages and disadvantages of probabilistic models. 7
7. (a) Compare mode split analysis and route split analysis. 7
- (b) Write a short note on all-or-nothing assignment. 7
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