

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

**Term-End Examination**

**December, 2016**

00553

**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) Write a short note on the concept of travel demand. 7  
(b) Discuss the difficulties in the process of transport planning. 7
2. (a) Explain the trip-making behaviour with respect to sequential and simultaneous models. 7  
(b) Give an account of transportation problems of urban areas in India. 7
3. (a) What is zoning ? Discuss the points to be considered while dividing an area into zones. 7  
(b) Write a short note on the procedure of conducting a Roadside interview survey. 7

4. (a) What do you mean by Expansion of Data from samples ? Discuss its limitations as a type of Transportation Survey. 7
- (b) What is Category Analysis ? Make an account of assumptions adopted for this technique. 7
5. Describe the following :
- (a) Growth Factor Model 7
- (b) Gravity Model 7
6. (a) Discuss in detail the various factors affecting modal split. 7
- (b) Explain the utility of mode split curves in Transportation Planning Process. 7
7. (a) Discuss in detail the various elements of transportation networks. 7
- (b) Write a short note on minimum path trees. 7
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