

Printed Pages: 3

NCE-023/ECE-023

(Following Paper ID and Roll No. to be filled in your  
Answer Books)

Paper ID :100668

Roll No.

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B.TECH.

Theory Examination (Semester-VI) 2015-16

TRANSPORTATION SYSTEM &amp; PLANNING

Time : 3 Hours

Max. Marks : 100

Section-A

1. Attempt all parts. All parts carry equal marks. Write  
answer of each part in short. (10×2 = 20)

- Write the nature of traffic problems in cities
- List the role of transportation on the basis of Social aspect.
- List the objectives of Transportation planning
- Write the difference between MRTS and BRTS.
- How is traffic analyzed by Queuing Theory?
- List the factors in trip generation?
- Define Travel demand?
- Define Net present value.

(1)

P.T.O.

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(i) How the land use transportation planned?

(j) What is Benefit Cost Ratio?

Section-B

2. Attempt any 5 questions front this section.

(10×5 = 50)

- Write an Overview of transportation system Prevailing in India.
- Explain the Different modes of surface transport.
- Explain in detail traffic stream theory & variables.
- Discuss the Present Scenario of road transport.
- What do you mean by travel demand.
- Discuss about Land Use Transport Planning.
- Discuss about trip generation.
- Discuss about Long term and short term planning related to road transport.

(2)

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## Section-C

Attempt any 2 questions from this section. (15×2 = 30)

3. (a) What are the Goals and objective of Transportation planning? (7)
- (b) Explain the Role of transportation in detail. (8)
4. (a) Discuss about the Evaluation of transport planning proposals. (7)
- (b) Explain the trip distribution methods (8)
5. (a) Explain role of vehicles in Environmental pollution and suggest suitable meaning to control pollution.
- (b) Explain planning aspects of transportation system in smart cities.