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NCE-023/ECE-023

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

Paper ID :100668

Roll No.

B.TECH.

Theory Examination (Semester-VI) 2015-16

TRANSPORTATION SYSTEM & 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)
- (a) Write the nature of traffic problems in cities
 - (b) List the role of transportation on the basis of Social aspect.
 - (c) List the objectives of Transportation planning
 - (d) Write the difference between MRTS and BRTS.
 - (e) How is traffic analyzed by Queuing Theory?
 - (f) List the factors in trip generation?
 - (g) Define Travel demand?
 - (h) Define Net present value.

(1)

P.T.O.

- (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)

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

(2)

P.T.O.

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.

(3)

P.T.O.