

(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.