

27103

Name:.....

Reg.No:.....

EIGHTH SEMESTER B-TECH ENGINEERING DEGREE EXAMINATION, MAY 2012
CE 04 805 F - URBAN TRANSPORTATION PLANNING

Time: 3 hours

Max. Marks : 100

Answer all questions

Part A

- I. a) Discuss the role of urban transportation planning.
b) Write a short note on sequential transportation planning process.
c) Discuss the term Trip generation analysis.
d) Discuss briefly about home interview surveys.
e) List out the advantages and limitations of growth factor models.
f) What is meant by Trip distribution analysis?
g) Write a short note on Diversion Curves for mode split analysis.
h) List out the various elements of transportation net works.

(8 x 5 = 40)

Part B

- II. a) Discuss the following :
(i) Evolution of transportation planning process.
(ii) Constraints and standards in transportation planning.

OR

- b) Write short notes on :
(i) Travel Demand Matrix, (ii) Travel attributes.

- III. a) Explain in detail about category analysis and trip generation models.

OR

- b) Discuss the following :
(i) Road side interviews, (ii) Zoning.

- IV. a) Write short notes on :
(i) Trip distribution models, (ii) Growth factor models.

OR

- b) Write short notes on :
(i) Gravity models, (ii) Opportunity models.

- V. a) Discuss in detail the following :
(i) Mode split curves, (ii) Probablistic models.

OR

- b) Write short notes on :
(i) All or nothing assignment, (ii) Coding.

(4 x 15 = 60)
