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B.E./B.Tech. (Full Time) DEGREE END SEMESTER EXAMINATIONS, MARCH/APRIL 2011

Geoinformatics Engineering Branch

SIXTH SEMESTER

GI 473 URBAN AND REGIONAL PLANNING

(Regulation 2004)

15

Time : 3 Hours

Maximum Marks: 100

Answer ALL questions

PART A – (10 X 2 = 20 marks)

1. What is CBD?
2. Write the necessity of Urban Renewal.
3. How do you delineate planning area?
4. What are the objectives of Master Plan?
5. List the parameters used for Layout design.
6. Differentiate Housing projects from slum housing.
7. Classify Urban roads.
8. What is super elevation?
9. List the contents of typical Urban Information System.
10. Define Decision Support System.

PART B – (5 X 16 = 80 marks)

11. i Define Urban Sprawl. Explain different methods of monitoring urban sprawl. 10
ii Classify Human settlements. Write about classifications of urban areas as per Census of India 6
- 12 a What is a Regional Plan? Explain the objectives and contents of Regional Plan in detail. 16
(OR)
b Explain various factors used in Urban Land Suitability Analysis. Write the importance of land suitability analysis in Master Plan preparation. 16
- 13 a What is site analysis? Explain detailed procedure for selection of site for Housing Projects by agencies like TNHB. 16
(OR)
b Define Urban Renewal. Explain different methods of Urban renewal with their relevance. 16
- 14 a What are the different surveys used for Highway Alignment? Explain detailed methodology adopted for plan a highway in a ghat area. 16
(OR)
b Explain different parameters used for design of an Express Highway. What are the provisions made in IRC for an Express Highway? 16
- 15 a How a Regional Management Information System helps in planning a transportation project? Explain with help of a case study. 16
(OR)
b CMDA wants to develop a decision support system for sanction of Planning permissions. Explain the parameters used in the system and steps involved in development of decision support system. 16