Second Semester M.Tech. Degree Examination (Model Question Paper)

Civil Engineering(Geoinformatics)

CRE 2002: URBAN SPATIAL PLANNING AND ANALYSIS

Time: 3 hrs

Max Marks: 60

(Answer any 2 Questions from each Module)

Module I

1. Write notes on different types of Urban and regional plans with special emphasis to their scales and corresponding image resolution requirements.
2. Discuss about the structure, form and classification of urban settlements.
3. Explain Land Use/Land Cover Classification and Segmentation of Built up area using remote sensing Images

Module II

4. Discuss about the concepts of Urban Morphology. Explain the three theories of Urban Spatial Design.
5. With examples describe the determinants of Urban Form.
6. Explain Urban Information System.

Module III

7. What are the features of a transportation network? How is it represented for transportation studies?
8. Explain the Dijkstra's algorithm for determining the shortest path.
9. Write notes on land use transportation models.

(6x10=60)