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

GEO INFORMATICS ENGINEERING

EIGHTH SEMESTER

GI 482 RESOURCES INFORMATION SYSTEM

(REGULATIONS 2004)

Time: 3 hr

Max Mark : 100

35

Answer ALL Questions.

Part – A (10 x 2 = 20 Mark)

1. Write short notes on Local development planning perspective?
2. What is the significance of Topographic data in the projects?
3. What is non spatial data list example on production / marketing centres?
4. What are population statistics list the data support that?
5. Define the Pediplain, Denudational hills geomorphological landforms ?
6. What do you mean by Crop Acreage estimation?
7. State the use of DEM for delineating the watershed?
8. Write short notes on conjunctive use of surface and groundwater?
9. What is data integration?
10. Define object oriented project planning approach?

Part – B (5 x 16 = 80 Mark)

11.a.(i) Explain in detail the project approaches which are based on Watershed / Revenue boundary basis

(16)

12. a. (i) Explain the process of database generation in LIS application ? (16)

OR

b. (i) Discuss how communication network and transport facility planning is important towards resources information system? (16)

13. a.(i). Explain briefly the different Geomorphic landforms by fluvial process? (16)

OR

(ii) Explain the application of Remote Sensing and GIS for Forest Resources Management ? (16)

14. a.(i) How will you estimate the surface runoff using Remote Sensing and GIS? (16)

OR

b.(i). Explain with a case study on modeling of watershed for sustainable development ?  
(16)

15. a.(i) What is meant by optimization of objective? Explain in detail (16)

OR

b (i) How the sustainable development models help in project planning and implementation? (16)