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Question Paper Code : 31009

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Sixth Semester

Civil Engineering

080100034 — REMOTE SENSING AND GIS

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the use of choropleth map?
2. Define edge matching.
3. Write the purpose of overlay analysis.
4. Write the general task's of DTM.
5. Write the various types of output in GIS.
6. What are the error arising through processing.
7. Define geo coding.
8. How will be the GIS is used in waste land management?
9. Write the use of Internet GIS.
10. Definition facilities management.

21.5.13 - FN

PART B — (5 × 16 = 80 marks)

11. (a) (i) Define map and explain in detail about types of map. (8)
(ii) Explain in detail about components of GIS. (8)

Or

- (b) (i) Discuss about raster data compression with suitable example. (12)
(ii) Distinguish the difference between raster and vector data. (4)

12. (a) Briefly explain about the general task's in digital terrain model and write their application and uses. (16)

Or

- (b) Write a short note
(i) Data retrieval (3)
(ii) Overlay analysis (6)
(iii) Artificial intelligence. (7)

13. (a) Explain in detail about source of error and types of error in GIS. (16)

Or

- (b) Enumerate type's of devices used in the GIS data output and explain the output modeling on term of maps and graphical. (16)

14. (a) Discuss in detail about natural resource management using GIS with suitable example. (16)

Or

- (b) Write in detail about role of GIS in soil and agriculture use with suitable examples. (16)

15. (a) (i) Briefly explain about the process remote sensing integration with GIS. (10)
(ii) Write the various application of object oriented data base models. (6)

Or

- (b) Write short notes on :
(i) Utility network management. (8)
(ii) Multi criteria technique. (8)