

MAY 2014

P/ID 4416/PGEG

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions and not to exceed 50 words.

All questions carry equal marks.

1. Write a short note on Grid reference.
2. List the components of IT.
3. What is extranet?
4. What is a decision support system?
5. Explain briefly the components of GIS.
6. What is a raster model?
7. What do you mean by TIN?
8. Write a short note on DTM.
9. What is active remote sensing?
10. Expand : EMR, LISS.

SECTION B — (5 × 6 = 30 marks)

Answer ALL questions and not to exceed 250 words.

All questions carry equal marks.

11. (a) What are the uses of projection?

Or

(b) Briefly explain the tools of Internet.

12. (a) What do you mean by map compilation?

Or

(b) Write a note on topology.

13. (a) Briefly explain various types of overlays used in GIS.

Or

(b) Bring out the salient features of GPS.

14. (a) What is the source of energy used in active and passive remote sensing?

Or

(b) Explain briefly Boolean operations.

15. (a) Name the different methods of remote sensing based on altitude.

Or

- (b) Write a note on remotely sensed data product.

SECTION C — (5 × 10 = 50 marks)

Answer ALL questions and not to exceed 500 words.

All questions carry equal marks.

16. (a) Write in detail about UTM projection.

Or

- (b) Explain the need for systems study.

17. (a) Discuss the use of internet in Geographical study.

Or

- (b) Write an essay on Geo database.

18. (a) Explain various tools of data analysis in GIS.

Or

- (b) What are the advantages and disadvantages of Vector and Raster Models?

19. (a) Classify satellites based on usage.

Or

(b) Briefly explain the components of remote sensing.

20. (a) Discuss various elements of photo interpretation.

Or

(b) Write in detail the working principle of RADAR and its uses.
