MAY 2025 **U/ID 31637/UCH4A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 30 words each.

1. What is GIS?

2. Give a Note on Spatial data.

3. Brief on the term Topology?

4. What is Map Projection?

5. Write a Note on visual hierarchy?

6. What are different type of Maps?

7. List various applications of Digital Terrain Models.

8. Write about the People components of GIS.

9. List the standard Vector File Formats.

10. Give a short note on surface data.

11. What is slope and aspect?

12. Write the characteristics of Raster Data Structure.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions in 200 words each.

13. Write a detail note on remote sensing observation platforms.

14. How is Raster and Vector data represented?

15. Discuss any two segments of GPS.

16. Write a short note on Aerial camera.

17. Discuss different components of GIS.

18. Explain the advantages of remote sensing.

19. Explain the classifications of a map.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Explain electromagnetic spectrum.

21. Explain the elements of visual interpretation techniques.

22. Describe in detail about various sensor resolutions.

23. Explain topological model of vector data.

24. Explain the advantages of Raster data in geospatial analysis.

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