MAY 2024

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 Sensors?
2. What is Data products?
3. Define Visual Interpretation.
4. Elements of Image Interpretation.
5. What is Atmospheric Windows?
6. What is GNSS?
7. What is Buffering?
8. What is 3D Visualization?
9. What is spatial filtering?
10. What is Lidar?
11. List the types of Raster data.
12. What is Metadata?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions in 200 words each.

13. Explain in brief the functions of Geoinformatics.

14. Discuss the role of GIS in urban planning.

15. Briefly describe the Buffering and Vector overlay.

16. Discuss the main functions of GPS three segments.

17. Explain in detail the various methods of data input.

18. Define and describe the Triangulated irregular network (TIN).

19. Generalize any two examples of vector data analysis.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. List the various applications of GIS in Health–Care systems.

21. Discuss the advantages of GPS and GIS Integration?

22. Write a note on history of GIS.

23. Describe various errors that may occur in digitization.

24. Explain Web GIS architecture and applications.