2022

GEOGRAPHY — HONOURS

Paper : CC-12

(Remote Sensing, GIS and GNSS)

Full Marks : 50

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

Group - A

Answer *any five* of the following questions (each within 50 words).   2×5

1. Define temporal resolution.

2. What is metadata? Give example.

3. What is a shapefile?

4. What is CartoDEM?

5. What is a waypoint?

6. Define nadir.

7. What is atmospheric window?

Group - B

Answer *any four* of the following questions (each within 150 words).   5×4

8. Differentiate between geosynchronous and sun-synchronous orbits.

9. Write a short note on the applications of buffers in GIS.

10. Explain attribute data and spatial data.

11. Explain briefly the different types of platforms used in remote sensing.

12. Differentiate between spectral and spatial resolutions.

13. What are the sources of errors in GNSS survey?

Please Turn Over

Group - C

Answer *any two* of the following questions (each within **500** words). 10×2

14. Discuss the different elements of image interpretation.

15. Describe the various segments of GNSS.

16. Make a comparison between the OLI and LISS-3 sensors.

17. Write a note on image classification in remote sensing.

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