

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.
-