B.Sc./5th Sem (H)/GEO/23(CBCS)

2023

5th Semester Examination

GEOGRAPHY (Honours)

Paper : C 12-T

[Remote Sensing and GIS]

[CBCS]

Full Marks : 40   Time : Two Hours

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* questions :   2×5=10

1. What do you mean by pixel of a satellite image?

2. Differentiate active sensors from passive sensors in remote sensing.

3. What is a spectral reflection curve?

4. What is RNSS? Give an example.

5. Name the sensors in onboard Resourcesat-2 satellite.

6. What do you mean by the attribute data?

7. What are the advantages of vector data structure?

8. What do you mean by image classification?

P.T.O.

Group - B

Answer any *four* questions :   5×4=20

9. How does atmospheric scattering interfere in remote sensing processes?

10. Write a note on Landsat TM and IRS LISS 3 data.

11. Distinguish between Sunsynchronous and Geostationary satellite.

12. Discuss the concept of FCC and its merits and demerits.

13. How does topology help in building relationship in spatial data?

14. Comments on the importance of GIS in the development of modern cartography.

Group - C

Answer any *one* question :   10×1=10

15. Describe different types of sensor resolution. Give a detailed account on Landsat Satellite Mission.   4+6

16. What is GPS trilateration? Discuss the principle of GPS traingulation for determining 3D position on Earth Surface.   2+8