2022

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 are Almanac and Ephemeris?

2. How is FOV different from IFOV?

3. What is meant by PRN code?

4. What do you mean by Electromagnetic Spectrum?

5. What is Atmospheric window?

6. Why the spatial resolution of a thermal band is coarser than a visible band?

7. Differentiate between active and passive sensors.

8. What is TIN?

P.T.O.

Group - B

Answer any *four* questions : 5×4=20

9. Write a brief note on segments of GPS system.

10. What is a database model? Write a brief note on relational database model.

11. Briefly discuss different type of resolution with suitable examples.

12. What do you know about attribute table in GIS?

13. Write the advantages of false color composite (FCC) in image interpretation with suitable examples.

14. Summarize the steps involved in preparation of LULC inventories from satellite image.

Group - C

Answer any *one* question. 10×1=10

15. What is overlay analysis? Discuss different types of overlay analysis in GIS.

16. What is image interpretation? Mention the keys of visual image interpretation? Briefly describe the methods of Supervised Classification of Images. 2+2+6

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