

B.Sc. GEOGRAPHY SECOND YEAR SECOND SEMESTER EXAMINATION 2022

Subject: Remote Sensing and GIS

Paper: SC/GEOG/UG/CORE/TH/10

Time: 1 hour 30 minutes

Full Marks: 30

GROUP-A

Answer any one question

10x1 = 10

1. Give a brief account of digital classification procedure of satellite images. Highlight the advantages of digital image analysis over visual interpretation techniques. 6+4
2. Briefly discuss the utilities of GNSS. Mention any two IRS sensors along with their different resolutions. 4+6

GROUP-B

Answer any two questions

5x2 = 10

3. Mention the principals of preparing attribute tables.
4. What are the differences between raster and vector data structure?
5. What is overlay analysis? Mention the techniques of overlay analysis in GIS.
6. Give an account on the types of energy-matter interactions in the environment.

GROUP-C

Answer any two questions

2x2 = 4

7. What is georeferencing?
8. What is WGS84?
9. What is meant by accuracy assessment?
10. What are training sites in supervised classification?