

Geography [Honours]**[CBCS]****B.Sc. Fifth Semester End Examination-2023****(Regular & Supplementary Paper)****PAPER-CC12T****Full Marks: 40****Time: 02 Hrs***The figures in the right hand margin indicate marks**Candidates are required to give their answers in their own words as far as practicable**Illustrate the answers wherever necessary***Group A****Answer any one question of the following: 1x10 = 10**

1. Discuss the steps of supervised image classification methods.
2. Elucidate the spectral characteristics of soil, water and vegetation.

Group B**Answer any four questions of the following: 4x5 = 20**

3. Distinguish between Raster data model and vector data model.
4. Briefly discuss the K-means clustering methods.
5. Write the disadvantages of unsupervised image classification.

6. Write the application of remote sensing data in regional development.
7. Discuss the significance of DGPS.
8. Write the role of master control station in GNSS.

Group C

Answer any five questions of the following:

5x2 = 10

9. Define Pseudo-node.
 10. Define Topology.
 11. What do you mean by standard FCC?
 12. What do you mean by Geo-coding?
 13. Define image enhancement.
 14. Define grey scale image.
 15. What do you mean by training data?
 16. What is Web-GIS?
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