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RNLKWC/B.Sc.-CBCS/VS/GEO/H/C12T/22

2022

**Geography**

[HONOURS]

(CBCS)

**(B.Sc. Fifth Semester End Examination-2022)**

**PAPER-C12T**

*Time: 02 Hrs*

*Full Marks: 40*

*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: 10x1=10**

1. Distinguish between supervised and unsupervised image classification methods.
2. Differentiate vector date model from Roster date model.

**Group-B**

**Answer any four questions of the following: 5x4 = 20**

3. Distinguish between Geostationary satellites and sun-synchronous satellites.
4. Elucidate the spectral characteristics of soil, and water.
5. Write the role of master control station in GNSS.
6. Briefly discuss the K-Means clustering methods.

(2)

7. Write the application of remote sensing data in urban planning.
8. Discuss the importance of image pre-processing.

**Group -C**

**Answer any five questions:**

**2x5 = 10**

9. What is Web-GIS?
  10. What is DOP
  11. Define DGPS.
  12. What is topological Error in GIS?
  13. Define Pixel.
  14. What do you mean by st.FCC?
  15. What do you mean by satellite triangulation in GNSS?
  16. What is swath?
  17. Mention the four Raster File Formates.
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