



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2020

(Under CBCS Pattern)

Semester - V

Subject: GEOGRAPHY

Paper : C 12-T & C 12-P

Remote Sensing and GIS

Full Marks : 60 (Theory - 40 + Practical - 20)

Time : 3 Hours

Candidates are required to give their answer in their own words as far as practicable.

The figures in the margin indicate full marks.

[Theory]

Answer any two from the following :

2×20

1. What do you mean by SFCC? Describe the principles of visual interpretation of FCC image for Land use and Land cover Mapping.
2. How do you represent geographic features in GIS? Make a comparison between Raster and Vector model for representing geographic features.
3. Give a detailed account of overlay analysis in GIS.
4. Explain the various types of sensor-resolution and their application in remote sensing.

C 12-P
[Practical]

Answer any one from the following : 1×20

1. Discuss the various image enhancement techniques for digital image processing. Write down the steps of georeferencing a map using Ground Control Points. (GCPs). 15+5
2. What are the approaches of supervised and unsupervised classification of a digital image. Discuss any one of them with suitable graphics. 5+15
3. Discuss the post-classification analytical approaches. Write down the steps for building area statistics from a classified image. 10+10

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