



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

M.Sc. Examinations 2020

Semester IV

Subject: REMOTE SENSING AND GIS

Paper: RSG - 402

Full Marks: 100

Time: 4 hrs.

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

Paper / Unit: 402 (Grand Viva)

Answer any one of the following (Word limit 250):

1. Write a short note on the types of energy interactions in the atmosphere.
2. What is the difference between image reduction & image magnification?
3. Critically discuss on usefulness of hyperspectral datasets for assessing the bio-physical properties of forest.
4. Critically examine the concept of supervised classification
5. Write a note on the space segment of Indian Regional Navigation Satellite System (IRNSS)?
6. What are the significances of SQL in spatial analysis?
7. Briefly discuss on techniques of overlay analysis in GIS.
8. Explain the importance of ground truthing in remote sensing based studies.
9. Highlight the potentiality of geospatial techniques in smart city initiatives undertaken by the Govt. of India
10. Make a comparative analysis between three major co-ordinate systems used in geodesy?
11. What is the difference between a real aperture radar and synthetic aperture radar? What is the nature of relief displacement in Radar imagery and why?.
12. What are the differences between Natural event, Hazard and Disaster? Write down the disaster management techniques of a land slide affected area in a mountainous region?