



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2022

(Under CBCS Pattern)

Semester - VI

Subject: GEOLOGY

Paper : C13-T

(Geomorphology, Remote Sensing and GIS)

Full Marks : 40

Time : 2 Hours

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

The figures in the margin indicate full marks.

A. Answer any **four** from the following questions :

5×4=20

1. Explain active and passive sensors with suitable example.
2. Differentiate between aerial photograph and satellite image.
3. Write a short note on electromagnetic spectrum.
4. Differentiate between endogenic and exogenic process of earth.
5. Explain the principles used in Global Positioning System.
6. What are the differences between raster and vector data structure?

P.T.O.

B. Answer any *two* from the following questions :

10×2=20

1. Describe with neat sketches the erosional and depositional landforms of fluvial system.
 2. What is Aerial Photograph? Describe any one method of scale of determination. What are the problems associated with aerial photograph?
 3. Describe with neat sketches the basic drainage patterns and indicate explain how lithology and structure control such drainage patterns.
 4. Describe the application of RS-GIS in Environmental and Disaster Management.
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