Reg. No. ☐☐☐☐☐☐☐☐☐☐

GIH 502

Third Semester M.Sc. Degree Examination, December 2018/January 2019
(CBCS)
GEOINFORMATICS
Marine Geoinformatics

Time : 3 Hours   Max. Marks : 70

I. Define **any five** of the following :   **(2×5=10)**

   1) Ridges

   2) Shore

   3) Echo sounder

   4) West wind rift

   5) Counter current

   6) Spatial resolution

   7) Oceansat I.

II. Write short notes on **any five** of the following :   **(4×5=20)**

   8) Classification of coastal environment.

   9) Biophysical coupling.

   10) Oceanographic satellites.

   11) Coastlines of emergence and submergence.

   12) Types of phosphorite deposition.

   13) Mangrove environment.

   14) Classification of coastal environment.

III. Answer **any four** of the following : (5×4=20)

15) Write a note on back shore dunes.

16) Describe the Inter Tidal Environment.

17) Write a note on surface currents.

18) Describe the prediction models of sea surface temperature.

19) Write a note on beach recreational environments.

IV. Essay type questions :

20) With neat sketches describe the oceanic currents of Indian Ocean.   **10**

OR

Describe the geoinformatics applications in coastal environment.

21) Give a detailed account of Potential Fishing Zones. Add a note on the Technical Characteristics of IRS-P4.   **10**

OR

Furnish a detailed account of the uses of cartography, GIS and remote sensing in site selection of major and minor ports.

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