

M.Sc. 1st Semester Examination, 2024

GEOGRAPHY

(Ocean Science)

PAPER—GEO-103

Full Marks : 25

Time : 1 hour

Answer all questions

The figures in the right hand margin indicate marks

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

GROUP – A

Answer any two questions : 2×2

1. Mention the ecological uniqueness in the coastal upwelling zones.

2. Mention the characteristics of the rocky intertidal communities.
3. Define the opening and closing of ocean basins.
4. What is Marine Ooze ?

GROUP – B

Answer any **two** questions : 4×2

5. Define thermocline, halocline and pycnocline.
6. How do seafloor spreading processes occur ?
7. Briefly explain the nature of the bathymetry of the continental shelf.
8. How does phytoplankton contribute to the oceanic carbon cycle?

GROUP – C

Answer any **one** question : 8 × 1

9. Explain how the land-ocean-atmosphere interactions influence the ocean climate zones.
10. Describe the structure and formation of coral reefs with special reference to their evolution.

[**Internal Assessment – 5 Marks**]
