

23P355

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Name:

Reg.No:

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL3 E03A - MARINE GEOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Explain Abyssal Plane.
2. Recall the distribution of pressure in ocean surface.
3. Extend and clarify the dissolved materials present in sea water.
4. Identify various marine mineral resources.
5. Describe types of Sea Walls.
6. Define Ekman spiral model.
7. Differentiate upwelling and downwelling.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Illustrate the formation of Mid Oceanic Ridges
9. Explain thermocline, including where it occurs in the ocean with suitable diagram
10. Explain salinity and determine how to measure salinity.
11. Compare the characteristics of hydrogenous sediments and cosmogenous sediments.
12. Summarize Coastal Process
13. Explain the components of ocean surface circulation.
14. Describe Origin of thermohaline circulation.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. History of Marine Geology.
16. Explain different types of marine sediments and its distribution.

17. Coastal Regulatory Zone.

18. Explain walkers circulation cell with suitable diagram.

(2 × 5 = 10 Weightage)
