

21P356

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Name:

Reg.No:

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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 Mid Oceanic Ridges.
2. Explain pressure distribution in ocean.
3. Recall the distribution of density in ocean surface.
4. Recall Mn nodules.
5. Describe EEZ.
6. Define gyre and mention the average drift time.
7. Define western intensification.

(4×2 = 8 Weightage)

Part-B

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

8. Explain the formation of Continental rise.
9. Compare the temperature variation with depth. Explain with suitable diagram.
10. Extend and clarify chemical properties of sea water.
11. Distinguish the characteristics of hydrogenous sediments and cosmogenous sediments.
12. Explain Coastal depositional features.
13. Describe the various causes of coastal upwelling and downwelling with suitable diagram.
14. Extent and clarify Origin of thermohaline circulation.

(4 × 3 = 12 Weightage)

Part-C

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

15. Early and later scientific significance regarding challenger expedition.
16. Explain different types of marine sediments and its distribution.
17. Explain in detail about the coastal protection structures.
18. Explain walkers circulation cell with suitable diagram.

(2 × 5 = 10 Weightage)
