

**20P356**

(Pages: 1)

Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

**CC19P GEL3 E03a - MARINE GEOLOGY**

(Applied Geology)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Short answer type questions. Answer any *four* questions.

1. Glomar Challenger.
2. Continental margin.
3. Salinity.
4. Rosette Water Sampler.
5. El Nino.
6. Upwelling and downwelling.
7. EEZ of India.

**(4 × 2 = 8 Weightage)**

II. Short essay questions. Answer any *four* questions.

8. Thermohaline circulation.
9. Sound and light in the seawater.
10. Dissolved gases in the seawater.
11. Origin of marine sediments.
12. Surface currents of the world oceans.
13. Gas hydrates.
14. Vertical distribution of temperature, pressure and density of seawater.

**(4 × 3 = 12 Weightage)**

III. Long essay. Answer any *two* questions.

15. Write an essay on Eustatic Sea level changes and its causes.
16. What are polymetallic nodules? Add note on their origin, distribution and economic importance.
17. Discuss the different coastal protection structures.
18. Describe sea bottom topography. Comment on the relation between topography and tectonics.

**(2 × 5 = 10 Weightage)**

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