

19P356

(Pages: 1)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CBCSS-PG)

CC19P GEL3 E03a - MARINE GEOLOGY

(Applied Geology)

(2019 Admission Regular)

Time: Three Hours

Maximum: 30 Weightage

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

1. pH of sea water.
2. JOIDES
3. UNCLOS
4. CCD and ACD
5. Turbidites.
6. Monsoon induced oceanographic changes.
7. Continental shelf of India.

(4 × 2 = 8 Weightage)

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

8. Challenger expedition – contributions to oceanography.
9. Oceans role in modulating atmospheric CO₂
10. Thermohaline circulation and its influence on climate.
11. Meridional changes in salinity and temperature.
12. Warm currents of the world oceans.
13. EL Nino southern oscillation (ENSO).
14. Eustatic Sea level changes.

(4 × 3 = 12 Weightage)

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

15. Discuss the vertical distribution of temperature, pressure and density of seawater and factors controlling their variability.
16. Marine mineral resources - PMN, crust, gas hydrates, phosphatic nodules and coastal placers.
17. Discuss the coastal processes and the role of waves, currents and tides in shaping the coastal landforms.
18. Write an essay on marine sediments. Add a note on their origin, distribution and classification.

(2 × 5 = 10 Weightage)
