

19P148A

(Pages: 2)

Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(Supplementary/Improvement)

(CUCSS-PG)

CC15P GEL1 C01 – PHYSICAL GEOLOGY AND GEOMORPHOLOGY

(Applied Geology)

(2015 to 2018 Admissions)

Time: Three Hours

Maximum: 36 Weightage

Part A (Short answer type)

Answer *all* questions. Each question carries 1 weightage.

1. Planetesimal hypothesis.
2. Mass Movements.
3. Oceanic trenches.
4. Seismic waves.
5. Compound land forms.
6. Talus slope.
7. Magnetic reversal.
8. Beach profile.
9. Stream order.
10. Nebular hypothesis.
11. Gravity anomalies.
12. Geoid.
13. Playa lake.
14. Synclinal hill.

(14 1 = 14 Weightage)

Part B (Short essay type).

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

15. Slope stability.
16. Isostasy.
17. Classification of delta.
18. Geothermal gradient.
19. Seismic properties of the Earth's interior.
20. Back waters of Kerala.
21. Stream hydraulics.

- 22. Wetlands.
- 23. Terrestrial planets.
- 24. Submarine canyons.

(7 × 2 = 14 Weightage)

PART C (Long essay type)

Answer *two* questions. Each question carries 4 weightage.

25. Explain about the major tectonic features of the oceanic and continental crust.

Or

26. Discuss the formation and classification of soils. Add a note on soils of Kerala.

27. What is morphometric analysis? What are the parameters considered in the morphometric analysis of a drainage basin?

Or

28. Describe different models of landscape evolution.

(2 × 4 = 8 Weightage)
