

16P146

(Pages:2)

Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P GEL1 C01 – PHYSICAL GEOLOGY AND GEOMORPHOLOGY

(Applied Geology)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 36 Weightage

I Short answer type questions. Answer *all* questions.

1. Seafloor spreading.
2. Paleomagnetism.
3. Geoid.
4. Seismic waves.
5. Geothermal gradient.
6. Isostasy and theories.
7. Mass movements.
8. Gorges and Wind Gap.
9. River capturing.
10. Slope stability.
11. Beach profiling.
12. Shreve's Stream link Magnitude Method.
13. Bifurcation ratio.
14. Concept of geomorphology.

(14 x 1= 14 weightage)

II Short essay questions. Answer any *seven* questions

15. Theories on the origin of the solar system.
16. Magnetic anomalies.
17. Tectono-geomorphic model of M.Morisawa.

18. Heterogeneity of earth crust.
19. Davisian concept of Geomorphological evolutions.
20. Interruptions in landscape development.
21. Theory of Uniformitarianism and its laws.
22. Backwaters of Kerala.
23. Coastal geomorphological features.
24. Soils of Kerala.

(7 x 2 = 14 weightage)

III Long essay. Answer *two* questions.

25. What are the geomorphological features of Kerala.

Or

26. Define Wetlands, its formation and classification.

27. With the help of neat diagrams describe the tectonic features of the oceanic and continental
crusts.

Or

28. Drainage system and classification.

(2 x 4 = 8 weightage)
