

Name:.....

Reg.No.....

FIRST SEMESTER M.Sc. DEGREE EXTERNAL EXAMINATIONS FEB. 2016

(2015 Admission)

CC15P GEL1 C01 -PHYSICAL GEOLOGY AND GEOMORPHOLOGY

(Geology)

Time: 3 Hrs.

Total: 36 Weightage

I. Answer *all* questions in two or three sentence each:

1. Isostasy.
2. Geothermal gradient.
3. Nebular hypothesis.
4. Meteorites.
5. Seismic waves.
6. Wave erosion.
7. Soil profile.
8. Beach profiling .
9. Kayals.
10. Meanders .
11. Slope stability.
12. Lagoon.
13. Flood Plains.
14. Midlands of Kerala.

(14 x 1 = 14 weightage)

II. Answer any *seven* questions, each not exceeding two pages:

15. Gravity anomalies.
16. Prediction of earthquake.
17. Types of meteorites.
18. Fluvial erosion landforms.
19. Geomorphology of Kerala.

- 20. Types and controls of mass movements.
- 21. Coastal landforms associated with wave deposition.
- 22. Geomorphological cycles.
- 23. Theory of uniformitarianism.
- 24. Sea level changes.

(7 x 2 = 14 weightage)

III Write essays on:

- 25. Explain the internal structure of earth as revealed from seismic studies.

Or

- 26. Describe briefly earth's magnetism. **(1 x 4 = 4 weightage)**

- 27. Describe the classification, mode of occurrence and significance of wetlands.

Add a note on the conservation of wetlands.

Or

- 28. Describe the morphometric analysis of a drainage basin. Add a note on rejuvenation of streams.

(1 x 4 = 4 weightage)
