

18P155

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P GEL1 C01 – PHYSICAL GEOLOGY AND GEOMORPHOLOGY

(Applied Geology)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

Part A

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

1. Mass movements.
2. Kuiper belt.
3. Oceanic trenches.
4. Stream piracy.
5. Compound land forms.
6. Seismic waves.
7. Magnetic reversal.
8. Beach profile.
9. Bifurcation ratio.
10. River linking.
11. Isostasy.
12. Spheroid.
13. Hanging valley.
14. Synclinal hill.

(14 × 1 = 14 Weightage)

Part B

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

15. Paleomagnetism.
16. Davis concept of geomorphic cycle.
17. Rejuvenated landforms.
18. Geothermal gradient.
19. Earthquake prediction methods.

20. Soil profile.
21. Stream hydraulics.
22. Gravity anomalies.
23. Evolution of solar system.
24. Geomorphic processes.

(7 × 2 = 14 Weightage)

Part C

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

25. Define wetlands. Explain the classification of wetlands and their significance. Add a note on conservation and management of wetlands.

Or

26. Discuss about slope stability and various models of landscape evolution.

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

Or

28. Discuss the various application of geomorphology in civil engineering and environmental studies.

(2 × 4 = 8 Weightage)
