

24P145

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL1 C01 - PHYSICAL GEOLOGY AND GEOMORPHOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Explain positive and negative gravity anomalies
2. Lithological controls in a geomorphic processes
3. Explain about the episodic erosion model
4. Stream order.
5. Backwaters of Kerala
6. Soil profile.
7. How the Joints in a rock weakens it?

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Terrestrial planets.
9. Theory of Uniformitarianism and its laws.
10. Examine the genesis of Mesa and Scarp topography.
11. Classification and mode of formation of wetlands.
12. Geomorphology of Kerala.
13. Geomorphic features of Indian subcontinent.
14. Factors affecting slope stability.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Differentiate between oceanic and continental crusts with their major tectonic features.

16. Examine the reasons for Solid nature of mantle below asthenosphere and advantages of Richter scale over Mercalli intensity scale.
17. Explain coastal geomorphology.
18. Explain various applications of geomorphology.

(2 × 5 = 10 Weightage)
