

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PGEL1C01 - PHYSICAL GEOLOGY AND GEOMORPHOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-AAnswer any ***four*** questions. Each question carries 2 weightage.

1. Briefly explain Airys hypothesis.
2. Glacial processes.
3. What will climate do with the development of Geomorphological features?
4. Shreve's Stream link Magnitude Method.
5. Explain wetlands.
6. Wetlands and Kayals.
7. Define a Hill slopes.

(4 × 2 = 8 Weightage)**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Types of meteorites.
9. Interruptions in landscape development.
10. Evaluate the formation of swash and backwash.
11. Soils of India and Kerala.
12. Geomorphology of Kerala.
13. Geomorphic features of Indian subcontinent.
14. Applications of geomorphology.

(4 × 3 = 12 Weightage)

Part-C

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

15. Explain about the major tectonic features of the oceanic and continental crust.
16. Analyze the seismicity of Himalayan region without significant volcanism, Hawaiian volcanism afar from plate boundaries and Japanese islands with intense earth quakes and volcanism.
17. Explain desert geomorphology.
18. Discuss about slope stability and various models of landscape evolution.

($2 \times 5 = 10$ Weightage)
