

21P148

(Pages: 2)

Name: .....

Reg.No: .....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P GEL1 C01 - PHYSICAL GEOLOGY AND GEOMORPHOLOGY**

(Geology & Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

**Part-A**

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

1. Internal structure of earth.
2. Explain the importance of Lithology , climate and time in geological features.
3. Limitations of Davisian theoram.
4. Lagoon.
5. Soils of India.
6. Midlands of Kerala.
7. What are the structural weaknes in a rock?

**(4 × 2 = 8 Weightage)**

**Part-B**

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

8. Heat budget and heat flow.
9. Theory of uniformitarianism.
10. Examine the genesis of Mesa and Scarp topography.
11. Wetlands.
12. Rivers of Kerala.
13. Geomorphic features of Indian subcontinent.
14. Application of geomorphology in civil engineering.

**(4 × 3 = 12 Weightage)**

**Part-C**

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

15. Explain the planetary evolution of earth.
16. Gravity measurement and gravity anomalies.
17. What is morphometric analysis? What are the parameters considering in the morphometric analysis of a drainage basin?
18. Describe different models of landscape evolution.

**(2 × 5 = 10 Weightage)**

\*\*\*\*\*