

24U227

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Name :

Reg. No :

SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2025

(FYUGP)

CC24UGEL2MN102 - GEOMORPHOLOGY

(Geology - Minor Course)

(2024 Admission - Regular)

Time: 2.0 Hours

Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)

Answer *all* questions. Each question carries 3 marks.

1. Explain braided streams. [Level:2] [CO3]
2. Explain debris flow. [Level:2] [CO2]
3. Describe different types of glacial deposits. [Level:2] [CO5]
4. Explain Geyser deposits. [Level:2] [CO4]
5. Categorize porosity and permeability. [Level:2] [CO4]
6. Evaluate the role of glacial erosion in landscape formation. [Level:5] [CO5]
7. Explain the process of glacial ice formation. [Level:2] [CO5]
8. Explain the process of wave erosion. [Level:2] [CO6]
9. Evaluate the significance of deep-sea trenches. [Level:5] [CO6]
10. Compare different types of continental slopes. [Level:2] [CO6]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

Answer *all* questions. Each question carries 6 marks.

11. Explain valley deepening and valley widening. [Level:2] [CO3]
12. Explain very slow mass movements. [Level:2] [CO2]
13. Explain the drainage basins. [Level:2] [CO3]
14. Explain the monitoring of active landslides. [Level:2] [CO2]
15. Compare different types of aquifers. [Level:2] [CO4]

16. Analyze the formation and evolution of different types of dunes in desert environments. [Level:4] [CO5]
17. Evaluate the geological activity of glaciers [Level:5] [CO5]
18. Evaluate the impact of ocean distribution on global weather patterns and climate zones. [Level:5] [CO6]
- (Ceiling: 36 Marks)**

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

19. Explain the depositional landforms of streams with suitable diagram. [Level:2] [CO3]
20. Describe the depositional features of groundwater. [Level:2] [CO4]
- (1 × 10 = 10 Marks)**
