

25I201

(Pages: 2)

Name :

Reg. No :

SECOND SEMESTER INTEGRATED M.Sc. GEOLOGY DEGREE EXAMINATION, APRIL 2026

(FYIP)

CC25GLI02IC105 - GEOMORPHOLOGY

(Geology - Major Course)

(2025 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. Discuss the cycle of erosion and explain the role of rejuvenation in landscape development. [Level:2] [CO3]
2. Centripetal drainage pattern. [Level:1] [CO3]
3. Explain Transmissibility. [Level:1] [CO4]
4. Explain the process of glacial erosion. [Level:2] [CO3]
5. Explain bed load. [Level:2] [CO3]
6. Explain rock avalanche. [Level:2] [CO2]
7. Explain Soil Profile. [Level:1] [CO1]
8. Discuss formation of deserts. [Level:2] [CO3]
9. Explain stalagmites. [Level:2] [CO4]
10. Define continental margin. [Level:2] [CO3]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

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

11. Explain Physical Weathering. [Level:1] [CO1]
12. Explain hydrologic cycle with suitable diagram. [Level:2] [CO3]
13. Discuss the factors affecting glacial movement and their impact on landscape formation. [Level:2] [CO3]
14. Explain volcanic lakes. [Level:2] [CO3]

15. Explain mass movement and evaluate the role of mass movement in landscape evolution. [Level:2] [CO2]
16. Describe wave refraction and its geomorphic significance. [Level:2] [CO3]
17. Explain the formation of major depositional landforms produced by wind action in arid regions. [Level:2] [CO3]
18. Describe fringing reefs and their formation. [Level:2] [CO3]

(Ceiling: 36 Marks)

Part C (Essay questions)

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

19. Discuss the formation of caverns and the development of karst topography. [Level:2] [CO4]
20. Explain the relationship between base level changes and river system evolution. [Level:2] [CO3]

(1 × 10 = 10 Marks)
