

24U223

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Name :

Reg. No :

SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2025

(FYUGP)

CC24UGEL2CJ101 - PROCESSES AT THE EARTH'S SURFACE

(Geology - Major 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 Canyon. [Level:1] [CO3]
2. Compare rotational and translational landslides. [Level:2] [CO2]
3. Explain dendritic drainage pattern. [Level:2] [CO3]
4. Differentiate water table and perched water table. [Level:2] [CO4]
5. Explain aquitards. [Level:2] [CO4]
6. Explain the process of glacial ice formation. [Level:2] [CO5]
7. Compare till and stratified drift. [Level:2] [CO5]
8. Describe different types of beaches. [Level:2] [CO6]
9. Discuss Waves, tides, currents. [Level:4] [CO6]
10. Distinguish between active and passive margins. [Level:4] [CO6]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

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

11. Explain the formation of oxbow lake with suitable diagram. [Level:2] [CO3]
12. Evaluate the role of submarine canyons and deep-sea trenches in ocean floor morphology. [Level:5] [CO6]
13. Explain base level changes on river systems. [Level:2] [CO3]
14. Distinguish debris flow, mud flow and Earth flow. [Level:2] [CO2]
15. Explain how Geyser work. [Level:2] [CO4]

16. Analyze the formation and evolution of different types of dunes in desert environments. [Level:4] [CO5]
17. Evaluate how glacial erosion processes contribute to the formation of complex landscape feature. [Level:5] [CO5]
18. Evaluate the impact of human activities on coastal erosion and propose management strategies. [Level:5] [CO6]

(Ceiling: 36 Marks)

Part C (Essay questions)

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

19. Describe the depositional features of groundwater. [Level:2] [CO4]
20. Assess the processes involved in landscape evolution by the geological action of wind. [Level:5] [CO1]

(1 × 10 = 10 Marks)
