

SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2026

(FYUGP)

(Regular/Supplementary/Improvement)

CC24UGEL2CJ101 - PROCESSES AT THE EARTH'S SURFACE

(Geology - Major Course)

(2024 Admission onwards)

Time: 2.0 Hours

Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)Answer *all* questions. Each question carries 3 marks.

1. Radial drainage pattern. [Level:1] [CO3]
2. Explain rock fall. [Level:2] [CO2]
3. Point Bar. [Level:1] [CO3]
4. Explain zone of saturation. [Level:2] [CO4]
5. Describe springs. [Level:2] [CO4]
6. Explain the process of wind erosion. [Level:2] [CO5]
7. Explain the concept of ice ages. [Level:2] [CO5]
8. Describe different types of beaches. [Level:2] [CO6]
9. Discuss CCD, Marine sediments. [Level:4] [CO6]
10. Analyze factors affecting coastal erosion. [Level:4] [CO6]

(Ceiling: 24 Marks)**Part B** (Paragraph questions/Problem)Answer *all* questions. Each question carries 6 marks.

11. Explain the monitoring of active landslides. [Level:2] [CO2]
12. Evaluate the geological activity of glaciers. [Level:5] [CO5]
13. Explain braided and meandering streams. [Level:2] [CO3]
14. Explain the mass movement process and landslide hazards. [Level:2] [CO2]

15. Explain confined and unconfined aquifers with suitable diagram. [Level:2] [CO4]
16. Evaluate how glacial depositional processes contribute to the formation of complex landscape feature. [Level:4] [CO5]
17. Compare different types of wind-formed deposits. [Level:5] [CO5]
18. Evaluate the role of submarine canyons and deep-sea trenches in ocean floor morphology. [Level:5] [CO6]

(Ceiling: 36 Marks)

Part C (Essay questions)

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

19. Explain the formation of caverns and the development of karst topography. [Level:2] [CO4]
20. Evaluate the factors that influence the distribution of oceans and seas and how they contribute to Earth's hydrological cycle. [Level:5] [CO1]

(1 × 10 = 10 Marks)
