

22U209

(Pages: 2)

Name:

Reg.No:

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U GEO2 B03 - DYNAMIC GEOLOGY AND GEO INFORMATICS

(Geology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Abration.
2. Valley Glaciers.
3. Drumlin.
4. Consequent and Subsequent streams.
5. Trellis pattern.
6. Playas.
7. Aquitard.
8. Polje.
9. Vector data type.
10. Geographic Coordinate system.
11. Infrared region.
12. Whisk Broom Sensor.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. What are the factors affecting weathering?
14. Explain the formation of desert landforms.
15. Features associated with peneplanation and rejuvenation.
16. What is the role of porosity and permeability in water bearing capacity of rocks?
17. Explain the origin of limestone caves.

18. Application of GIS in ground water.
19. Discuss various parameters of sensors.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Write an essay on application of GIS in geology.
21. Write an essay on satellite data products.

(1 × 10 = 10 Marks)
