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Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2023

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL2 C08 - APPLIED PALAEOLOGY AND SEDIMENTOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Define fossil.
2. Define Assemblage zone.
3. Define suborder Theropoda.
4. Explain ecology of Radiolaria.
5. Compare spores and pollens.
6. Define Sedimentary structures.
7. Define sedimentary depositional environment.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Describe about the different chemical conditions for fossilisation.
9. Describe the Phylogeny of elephant.
10. Explain the collection and preservation of microfossils from sediments.
11. Explain the application of microfossils to determine palaeoenvironments.
12. Compare microcrystalline calcite and sparry calcite.
13. Explain the significance of heavy minerals.
14. Explain the classification of sedimentary basins.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Define different methods for preservation of fossils.

16. Explain about vertebrate life through geologic time.
17. Describe the importance of particle shapes in determining their transport history.
18. Explain Sedimentation and plate tectonics in detail.

(2 × 5 = 10 Weightage)
