

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19PGEL3E02B - QUATERNARY GEOLOGY**

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

**Part-A**Answer any ***four*** questions. Each question carries 2 weightage.

1. Define Till.
2. Explain Iodine–Xenon (I–Xe).
3. State Mid Pleistocene revolution.
4. Sequence the soil with respect to fertility.
5. Define warm deserts.
6. Define MCT.
7. Define plate tectonics.

(4 × 2 = 8 Weightage)

**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Explain the significance of Dune fields.
9. Explain Uses of Fauna in Chronology.
10. Explain the events , interpret from dendrochronology.
11. State significance of El Nino and LaNino.
12. Explain about the Pollen diagrams.
13. Explain about the teeth pattern of hominids.
14. State the uses of climate modelling.

(4 × 3 = 12 Weightage)

**Part-C**Answer any ***two*** questions. Each question carries 5 weightage.

15. Explain the Palaeoenvironmental significance of sea level changes.

16. Extend and Clarify importance of Chronology.
17. Discuss on glaciations.
18. Explain the different methods adapted for borehole sediments study.

**(2 × 5 = 10 Weightage)**

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