

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PGEL1C04 - STRATIGRAPHY AND INDIAN GEOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

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

1. Contribution of Steno to the stratigraphy.
2. Describe chronostratigraphy.
3. Describe pedostratigraphy.
4. Describe sequence stratigraphy.
5. Eparchean unconformity.
6. Champion gneiss.
7. Age of saline series-in favour of Cambrian age.

(4 × 2 = 8 Weightage)**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Explain laws of stratigraphy.
9. Significance of stratigraphic correlation.
10. Distinguish between magneto and chemostratigraphy.
11. Describe Sargur schist.
12. Classification of Cuddapah super group.
13. Distinguish between lower, middle and upper siwaliks.
14. Boundary problems with reference to Vindyan super group.

(4 × 3 = 12 Weightage)

Part-C

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

15. Which are the five major mass extinctions? Explain the possible causes and its after effects.
16. Explain the cratonic evolution of continents with the special reference to Dharwar. Also comment on the nature of tectonics in Archean & proterozoic.
17. Elaborate on the Phanerozoic stratigraphy of Indian sub continent.
18. Detail on stratigraphic problems in saline series.

(2 × 5 = 10 Weightage)
