

23P149

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL1 C04 - STRATIGRAPHY AND INDIAN GEOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Describe law of cross-cutting relationships.
2. Contributions of Hutton & Lyell in stratigraphic studies.
3. Describe Cyclo stratigraphy.
4. Describe sequence stratigraphy.
5. Eparchean unconformity.
6. Clospet granite.
7. Explain Deccan traps.

(4 × 2 = 8 Weightage)

Part-B

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

8. What it mean by Global Boundary Stratotype Sections and Points?
9. Different methods of stratigraphic correlation.
10. Write down the chemostratigraphic method in detail.
11. Briefly explain Southern Granulitic terrain.
12. Write a note on Dharwar system.
13. Write a note on panjal volcanics.
14. Discuss the views on age of saline series in favour of Eocene and Cambrian.

(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 lithology, succession, economic importance of Vindhyan super group.
17. Explain the stratigraphic subdivisions of Siwalik range.
18. Discuss on the boundary issues of i) Vindhyan ii) Saline series.

(2 × 5 = 10 Weightage)
