



QP CODE: 25050536



Reg No :

Name :

MSc DEGREE (CSS) EXAMINATION DECEMBER 2025

First Semester

M Sc GEOLOGY

Core Courses - GL010104 - STRATIGRAPHY AND QUATERNARY GEOLOGY

2019 Admission Onwards

45297513

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Differentiate Eon and Eonatham.
2. Siesmic reflection continuity - Breif note.
3. Relate magnetic inclination and declination.
4. Evolution of younger granites in cratons.
5. Moyar Bhavani shear zone.
6. Berach granite and Erinpura granite.
7. Name five major mobile belts in India.
8. Damuda group.
9. Describe coral reef as a tool to study Quaternary.
10. Radiocarbon dating of Quaternary sediments.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Give a brief detailing about different chrono stratigraphic units.
12. Differentiate Biostrigraphy and biochronology. Give a brief account on biostratigraphic units.
13. What are the common features of craton? Give description with Indian examples?
14. Differentiate OMG, OMTG and IOG.
15. Spatial distribution of mobile belts in India. Draw a proper diagram?





16. Significance of Quaternary and its position in geological time scale
17. Explain the causes of eustatic sea level changes.
18. Describe lichenometric dating.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. What is sequence stratigraphy? Explain the principle behind sequence stratigraphy? How it is important in stratigraphy?
20. How K-T boundary extinction and volcanic eruption hypothesis can be easily correlated?
21. Write a detailed account on different stratigraphy, structure, age and distribution of Kurnool basin?
22. Explain the origin of aeolian, lake, marine and glacial sediments and their significance in palaeoclimate reconstruction.

(2×5=10 weightage)

