



25020419

QP CODE: 25020419

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE
EXAMINATIONS, FEBRUARY 2025**

Sixth Semester

**CHOICE BASED CORE COURSE - GL6CBT01 - GEOTECTONICS AND
PRECAMBRIAN STRATIGRAPHY OF INDIA**

Common for B.Sc Geology Model I & B.Sc Geology and Water Management Model III

2017 Admission Onwards

4101AF7F

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Which cratons are surrounded by Pandyan mobile belt?
2. Give an example for rift valley.
3. Abyssal plain.
4. Ophiolites.
5. Explain about southern part of the Peninsula.
6. Discuss about Aravalli Fold Belt.
7. Age of mafic dyke swarms in Dharwar.
8. Organic remains in Dharwar.
9. Composition of Charnockite.
10. Location of northern block of Southern Granulites.
11. Upper purana succession.
12. The upper Proterozoic succession of the cuddapah depression.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Write a note on orogenic cycle.
14. Write note on passive plate margins.
15. Explain sea floor spreading.
16. Explain the morphology of mid oceanic ridge.
17. Greenstone Belt in Eastern Dharwar craton.
18. Discuss about the younger granites and major tectonic intrusives of Dharwar craton.
19. Briefly describe the Economic Resources of Dharwar craton.
20. Name the high grade terrains of India. Add a note on its structural significance.
21. Briefly describe about Sandamatha and its Economic Importance.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Describe about Dharwar, Bastar, Singbhum, Bundelkhand and Aravalli Cratons of the Indian Shield.
23. Explain in detail the lithostratigraphy, radiometric age, and economic resources of Dharwar craton, Sargur schist complex and Peninsular Gneissic complex.
24. Which are the major mobile belts of India? Add a note on the gross structural features of mobile belts.
25. Discuss about lithology and classification of Delhi SuperGroup.

(2×15=30)

