

QP CODE: 24000661



Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024**

**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

23C57670

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Which craton lies N-E of Dharwar craton?
2. Give an example for rift valley.
3. Diverget plate boundary.
4. Mid oceanic ridge basalt.
5. List out the major Cratons of the Indian Shield.
6. Kartikere Conglomerate.
7. Age of basement rock in Dharwar.
8. From which lithounits in Dharwar we get Stromatolites.
9. Which are the mobile belts of India?
10. Name the precambrian rock whose composition is garnet,sillimanite,graphite ,quartz and orthoclase.
11. Which Granite body Associated with Bhilwara Super Group?
12. The lowemost Succession of Kurnool and its Economic Importance.

(10×2=20)

**Part B**

*Answer any **six** questions.*

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

13. Write a note on orogenic cycle





14. Write a note on continental shelf, slope and rise.
15. Briefly describe the significance of mid oceanic ridges in continental growth.
16. Briefly describe the significance of island arc in continental growth.
17. Discuss about Eastern, Northeastern, North and Northwestern part of the Peninsula.
18. Discuss about the younger granites and major tectonic intrusives of Dharwar craton.
19. Briefly describe the Economic Resources of Dharwar craton.
20. Explain about the evolution of Eastern Ghats Belts.
21. Briefly Explain about Delhi Super Group.

(6×5=30)

**Part C**

*Answer any **two** questions.*

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

22. Describe about major Fold Belts of the Indian Shield.
23. Broadly explain the most appreciated lithostratigraphy, structure, age, intrusives, organic activity and economic resources of Dharwar craton.
24. Give an account of Charnockite- Khondalite bearing high grade terrains of Peninsular India.
25. Discuss about lithology and classification of Delhi SuperGroup.

(2×15=30)

