

2019

B.Sc. (Hons.)

4th Semester Examination

GEOLOGY (Honours)

Paper—C9T

Principles of Stratigraphy and Precambrian
Stratigraphy of India

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group—A

Answer any five questions : $2 \times 5 = 10$

1. What is craton ?
2. What is lineage biozone ?
3. Differentiate between paraconformity and disconformity.
4. What is Barr conglomerate ?
5. Name two ore deposits from the Dharwar supergroup of rocks.

[Turn Over]

6. What are magnetic inclination and declination ?
7. What mafic / ultramafic bodies are found in the singbhum region ?
8. What are lithodemic units ?

Group-B

Answer any *four* questions : 5×4=20

9. Why abundance biozone cannot be used as a reliable method for time-stratigraphic correlation ? In what cases, can it be used for such correlation ?
10. Briefly discuss about the condition of deposition of the Vindhyan super group.
11. Write short note on application of stable oxygen isotope in chronostratigraphy.
12. Briefly discuss about Kolar and Hutti schist belt.
13. Write down the geological time scale in a tabular form, mentioning important age boundaries.
14. Write a short note on Singbhum Shear Zone.

Group—C

Answer any *one* question : $10 \times 1 = 10$

15. (a) Describe about the lithostratigraphy of Delhi Supergroup.
- (b) Write a short note on mineral deposits of Aravalli Supergroup. $6+4$
16. (a) Describe with neat sketches, different types of system tracts, that form during a sea level rise and fall till the next sea level rise.
- (b) Define with sketches, toplap, onlap, offlap and downlap. $7+3$
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