

April 2025
B.A./B.Sc.
Fourth Semester
CORE – 9
GEOLOGY
Course Code: GLC 4.21
(Stratigraphic Principles & Indian Stratigraphy)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. What is stratigraphy and dynamic stratigraphy? Write an account on sequence stratigraphy. 2+12=14
2. Write a note each on the following: 7×2=14
 - (a) Concepts of chrono-stratigraphy
 - (b) Seismic stratigraphy

UNIT-II

3. Explain the international stratigraphic code of a standardized stratigraphic nomenclature. 14
4. Write a note each on the following: 7×2=14
 - (a) Palaeogeographic reconstruction
 - (b) Global stratotype section and point

UNIT-III

5. Describe the tectonic subdivision of India. 14
6. Write a note each on the following: 7×2=14
 - (a) Singhbhum craton
 - (b) Stratigraphic succession of Cuddapah Supergroup

UNIT-IV

7. Explain the Palaeozoic succession of Kashmir. 14

8. Write a note each on the following: 7×2=14
(a) Triassic of Spiti
(b) Cretaceous of Trichinopoly

UNIT-V

9. Write an account on the volcanic province of Deccan Trap in India. 14
10. Write a note each on the following: 7×2=14
(a) Cretaceous-tertiary boundary
(b) Sylhet Trap
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