

**2024**  
**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. Write an account on seismic stratigraphy. 14
2. Write notes on the following: 7×2=14
  - (a) Magnetostratigraphy
  - (b) Chemostratigraphy

**UNIT-II**

3. Describe the global stratotype section and point. 14
4. Write notes on the following: 7×2=14
  - (a) Concept of stratotype
  - (b) Concept of palaeogeographic reconstruction

**UNIT-III**

5. Write a detail account on the stratigraphic succession of Cuddapah basin. 14
6. Write notes on any two of the following: 7×2=14
  - (a) Vindhyan supergroup
  - (b) Dharwar Craton
  - (c) Aravalli group

## UNIT-IV

7. Explain the Cenozoic stratigraphy of Assam and give its economic importance. 12+2=14
8. Write notes on the following: 7×2=14
- (a) Palaeozoic of Spiti
  - (b) Jurassic of Kutch

## UNIT-V

9. Write an account on Precambrian-Cambrian stratigraphic boundary in India. 14
10. Write notes on any two of the following: 7×2=14
- (a) Deccan trap
  - (b) Rajmahal trap
  - (c) Permian-Triassic boundary
-