

2022
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 the concepts of litho-, bio-, and chrono-stratigraphy. 14
2. Write notes on *any two* of the following: 7×2=14
 - (a) Chemostratigraphy
 - (b) Seismic stratigraphy
 - (c) Magnetostratigraphy

UNIT-II

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

UNIT-III

5. Explain in detail the Cuddapah basin of India. 14
6. Write notes on the following: 7×2=14
 - (a) The Indo-Gangetic plains of India
 - (b) Classification of Vindhyan supergroup

UNIT-IV

7. Explain the Cenozoic stratigraphy of Assam. 14
8. Write notes on the following: 7×2=14
- (a) Jurassic succession of Kutch
 - (b) Palaeozoic succession of Kashmir

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) Cretaceous-Tertiary boundary
 - (b) Deccan Trap
 - (c) Rajmahal Trap
-