

2023
B.A./B.Sc.
Third Semester
CORE – 6
GEOLOGY
Course Code: GLC 3.21
(Sedimentary Petrology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Explain the different types of soil found in India. 14
2. Write notes on the following: 7×2=14
 - (a) Processes of soil formation
 - (b) Paleosols

UNIT-II

3. Discuss on the statistical parameters of grain size distribution. 14
4. Write notes on the following: 7×2=14
 - (a) Grain size scale
 - (b) Clastic and non-clastic sedimentary rocks

UNIT-III

5. Write an account on transportation and deposition. 10+4=14
6. Write notes on the following with a neat sketch: 7×2=14
 - (a) Flute marks
 - (b) Loadcast

UNIT-IV

7. Give a detailed account on conglomerates. 14

8. Write notes on the following: 7×2=14
(a) Classification of limestone
(b) Mudrocks

UNIT-V

9. Explain the concept and stages of diagenesis. 14
10. Write notes on the following: 7×2=14
(a) Authigenesis and neomorphism
(b) Silica and calcite cementation
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