

2024
B.A./B.Sc.
Second Semester
 GENERIC ELECTIVE – 2
GEOLOGY
Course Code: GLG 2.11
 (Rocks & Minerals)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Explain lustre and fracture as a physical property of minerals. 7+7=14
2. (a) Write notes on hardness of minerals. 7
 (b) Differentiate transparency and translucency. 7

UNIT-II

3. Explain the nature of light with the help of wave model. 14
4. Write notes on the following: 7×2=14
 (a) Refractive index and interference colour
 (b) Extinction in minerals

UNIT-III

5. Discuss the classification of igneous rocks in detail. 14
6. Write notes on the following: 7×2=14
 (a) Origin of igneous rocks
 (b) Mechanism of magma differentiation

UNIT-IV

7. What is diagenesis? Explain how diagenesis takes place. 2+12=14

8. Write notes on the following: 7×2=14
(a) Classification of clastic rocks
(b) Weathering and erosion

UNIT-V

9. What is metamorphism? Explain the different types of metamorphism. 2+12=14
10. Write notes on the following: 7×2=14
(a) Agents of metamorphism
(b) Structure of metamorphic rocks
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