

October 2025
B.A./B.Sc.
Fifth Semester
CORE – 11
GEOLOGY
Course Code: GLC 5.11
(Economic Geology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Discuss in detail the metallogenetic provinces of India. 14
2. Write a note on each of the following: 7×2=14
 - (a) Metallic and non-metallic resources
 - (b) Textures of ores

UNIT-II

3. Explain the processes involved in the formation of magmatic ore deposits. 14
4. Write a note on each of the following: 7×2=14
 - (a) Hydrothermal deposits
 - (b) Sedimentary process of ore formation

UNIT-III

5. Describe in detail the modes of occurrence, origin, and distribution of copper deposits in India. 14
6. Write a note on each of the following: 7×2=14
 - (a) Chief primary ore minerals and occurrence of aluminium
 - (b) Modes of occurrence and distribution of manganese in India

UNIT-IV

7. Give the chemical composition, occurrence, origin, and distribution of mica in India. 14

8. Write a note on each of the following: 7×2=14
(a) Graphite deposits in India
(b) Occurrence, uses and distribution of asbestos in India

UNIT-V

9. Write an account on the coal deposits of Northeast India. 14
10. Write a note on each of the following: 7×2=14
(a) Petroleum deposits in NE India
(b) Uranium deposits of Meghalaya
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