

2023
B.A./B.Sc.
Fifth Semester
CORE – 11
GEOLOGY
Course Code: GLC 5.11
(Economic Geology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Explain the metallogenic provinces and epoch of India. 14
2. Write notes on the following: 7×2=14
 - (a) Metallic and non-metallic minerals
 - (b) Ore, grade and tenor

UNIT-II

3. Describe the magmatic process of ore formation. 14
4. Write notes on the following: 7×2=14
 - (a) Oxidation and supergene enrichment
 - (b) Hydrothermal deposits

UNIT-III

5. Give the origin, occurrence, uses and distribution of manganese in India. 14
6. Write notes on the following: 7×2=14
 - (i) Mode of occurrence of chromium
 - (ii) Chief ores of copper and its distribution in India

UNIT-IV

7. Give the origin, occurrence, uses and distribution of mica in India. 14
8. Write notes on the following: 7×2=14
- (a) Mode of occurrence and origin of graphite
 - (b) Uses and distribution of asbestos in India

UNIT-V

9. Give an account on the petroleum deposit of Northeast India. 14
10. Write notes on the following: 7×2=14
- (a) Gemstones
 - (b) Coal deposit in Nagaland
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