

2023
M.Sc.
Third Semester
CORE – 10
GEOLOGY
Course Code: MGLC 3.21
(Economic & Ore Geology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Discuss the origin, occurrences and distribution of lead deposit in India. 14
2. Write notes on the following: 7×2=14
 - (a) Origin and occurrences of tin
 - (b) Occurrences and distribution of tungsten deposit in India

UNIT-II

3. Write a note on the general character of corundum and give the occurrences and distribution in India. 4+10=14
4. Write notes on the following: 7×2=14
 - (a) Properties, grading, mode of occurrences and origin of talc
 - (b) Carbonate rocks

UNIT-III

5. Explain the mineralogy, mode of occurrence, origin and the production of cadmium in India. 3+6+5=14
6. Write notes on the following: 7×2=14
 - (a) Mineralogy, mode of occurrence, and origin of bismuth
 - (b) Platinum metal

UNIT-IV

7. Define ore. Describe the morphology of ore-bodies. 14
8. Write notes on the following: 7×2=14
- (a) Paragenesis and zoning of ores
 - (b) Role of organic matter in ores

UNIT-V

9. Write an account on stratiform and strata bound ore deposits. 14
10. Write notes on the following: 7×2=14
- (a) Ores related to weathering and weathered surfaces
 - (b) Metamorphism of ores
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