

Roll No.

Total Pages : 2

CMDQ/M-24

5576

ECONOMIC AND ORE GEOLOGY

Paper–GT-605

Time Allowed : 3 Hours]

[Maximum Marks : 100

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Write notes on the following : 4×5=20

(a) Lead deposits. (b) Reduction process.

(c) Kimberlite. (d) Ore minerals.

UNIT–I

2. Relevance of Economic Geology with other branches of Geology. 20

3. Write brief note on the following. 2×10=20

(a) Texture of Ore minerals.

(b) Classification of Ore minerals.

UNIT–II

4. Explain Fluid Inclusion and write about its scope. 20

5. Explain the following terms : 2×10=20

(a) Greenstone belts. (b) Mafic and acidic rocks.

UNIT–III

6. Write about different types of hydrothermal ore formations. 20

7. Write about the following : 2×10=20

(a) Exogenic processes for ore formation.

(b) Mechanical and residual concentration.

UNIT–IV

8. What is Metallogeny and mineral belts ? 20

9. Write about following important deposits of India : 2×10=20

(a) Copper.

(b) Oil and Natural Gas.