

Roll No.

Total Pages : 2

CMDQ/M-24

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**ORE GEOLOGY AND MINERAL
ECONOMICS (ELECTIVE)**

Paper–G–405

Time Allowed : 3 Hours]

[Maximum Marks : 75

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 short notes on the following :
 - (a) Precious and semi-precious stones.
 - (b) Strategic minerals.
 - (c) Fluid inclusions.

UNIT–I

2. Discuss the Relationship between ore deposits and plate tectonics.
3. Write short notes on the following :
 - (a) Applications of Fluid inclusion study.
 - (b) Migration of Ore bearing fluids.

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UNIT–II

4. Describe the Mineralogy, Genesis, mode of Occurrence and distribution of Copper deposits in India.
5. Write short notes on the following :
 - (a) Chief ores of Iron and its usage in industries.
 - (b) Kolar and Hutti gold deposits.

UNIT–III

6. Discuss the importance of Minerals in National economy.
7. Write short notes on the following :
 - (a) National mineral policy.
 - (b) Mineral Concession rules in India.

UNIT–IV

8. Describe the project feasibility report for Ores and Minerals.
9. Write short notes on the following :
 - (a) Abrasive minerals.
 - (b) Ceramic and Cement industry minerals.

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