

Roll No.

Total Pages : 2

CMDQ/M-24

5579

MINING GEOLOGY

Paper–GT–803

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 short notes on the following :

- (a) Mine legislation.
- (b) Open pit mining.
- (c) Sampling in mining.
- (d) Types of Mine waste.

UNIT-I

- 2. Discuss about the role of Mining in National development.
- 3. (a) Historical development in mining sector.
(b) Fundamentals of Mining industry.

UNIT-II

- 4. Name the different surface methods of Mining and explain any one in detail.
- 5. (a) Mechanical extraction.
(b) Contour mining.

UNIT-III

- 6. What are different Geological operations in mining? Discuss bench mapping in detail.
- 7. (a) Mine economic appraisals.
(b) Mine plans.

UNIT-IV

- 8. What are the different elements of Mineral dressing?
- 9. (a) Mineral beneficiation.
(b) Mine safety measures.