

Roll No.

Total Pages : 2

CMDE/M-24 4720
MINING GEOLOGY
Paper–G-205

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: 15
- (i) Underground mines. (ii) Beneficiation.
(iii) Ventilations. (iv) Core Logging.

UNIT–I

2. Explain the method of open cast mining with well labeled diagram. 15
3. Write notes on the following: 15
- (a) Ocean bottom mining. (b) Elements of mining.

UNIT–II

4. Discuss in detail the methods of ore reserve estimation. 15
5. Write notes on the following : 15
- (a) Drilling methods. (b) Preparation of mine plans.

UNIT–III

6. Explain the various types of explosives used in mining. 15
7. Write notes on the following : 15
- (a) Blasting techniques.
(b) Method of charging explodes.

UNIT–IV

8. Explain the shafting and ventilation techniques used in different types of mining in detail. 15
9. Write notes on the following : 15
- (a) Drainage. (b) Mine safety measures.