



C14-MNG-501

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**BOARD DIPLOMA EXAMINATION, (C-14)
OCTOBER/NOVEMBER-2018
DMNG-FIFTH SEMESTER EXAMINATION**

METAL MINING

Time : 3 Hours]

[Total Marks: 80

PART-A

3X10=30

- Instructions :**
1. Answer **All** questions.
 2. Each question carries **Three** marks.
 3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. Define the term (a) Sub-Level (b) Ore chute.
2. Define the terms (a) Level Interval (b) Foot Wall.
3. Define the shaft station.
- * 4. List the purposes of driving ore drives within the ore body.
5. Explain the term “ Mine Development of Metal mine”?
6. State the purpose of driving haulage inclines a long in foot wall?
7. State the purpose of drivages?
8. Define the term Drop Raising.
9. List the application of tunnel boring method?
10. Define the term up reaming?

PART-B

10X5=50

Instructions : *

1. Answer any **Five** questions.
2. Each question carries **ten** marks.
3. Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer

11. State the classification of Non-Coal deposits?
12. Explain the method of dividing the mineable ore body along the dip by levels or horizons?
13. Explain the factors considered for selection of level intervals?
14. Sketch and explain (a) Ore pass (b) Ore bin.
15. Explain the Open raising method?
16. Sketch and explain two compartmental raising method?
17. (a) State the factors affecting the choice of Raising methods?
(b) State merits and demerits of Alimak raising method.
18. Sketch and explain Jora raise method

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