



C14-MNG-502

4655

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

OPEN CAST 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

1. List the different types of surface mining.
2. Define the following terms (a) Strip mining (b) Placer mining.
3. List the limitation for surface mining.
4. Define the term Box cut.
5. Define the term Haul roads.
6. List the classifications of Rippers.
7. Define spacing and burden.
8. State the applications of vertical drilling.
9. List the accessories used in OC blasting.
10. Define the term muffled blasting.

PART-B

10X5=50

Instructions :

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

11. List the different Geo-mining situations under which surface mining is adopted.
12. Explain the location and design of haul roads.
13. List the main components and function of dozer. With neat sketch.
14. List the main parts, components function and place of application of ripper with sketch.
15. List and explain the different pattern of drill holes.
16. List the merits and demerits of vertical and inclined drilling.
17. Explain Transportation, storage, charging of bulk explosives.
18. Explain Bangers due to blasting practice in open cast mines.
