



C16-MNG-405

*
5698

**BOARD DIPLOMA EXAMINATION, (C-16)
OCTOBER/NOVEMBER-2018
DMNG-FOURTH SEMESTER EXAMINATION**

MINING MACHINERY-II

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. State the purpose of air leg.
2. State the application of coal cutting machine.
3. Name the parts of the hammer rock drill.
- * 4. List the applications of AFC.
5. State the purpose of power pack.
6. Define the term Flame proof apparatus.
7. State the purpose of winding in shafts.
8. List the shaft fittings.
9. State the purpose of rigid guides.
10. List various types of cables used in mines.

*

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. (a) Draw the sketch of hammer rock drill operated by compressed air.

(b) Describe the working of hammer rock drill.

12. Explain the working principle of Rocker Shovel.

13. Describe the SERD shearer.

14. Describe the constructional features of Flame proofing.

15. Write the comparisons between cage winding and skip winding.

16. Describe working of the Keps.

17. Describe the principle of working of suspended calliper brake.

18. Explain the care and maintenance of cables.

*

*