



C09-MNG-604

3789

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH / APRIL - 2019

DMNG - VI SEMESTER EXAMINATION

MINING MACHINERY - II

Time : 3 Hours]

[Total Marks : 80

PART - A

3×10=30

- Instructions :**
- (1) Answer **ALL** questions.
 - (2) Each question carries **THREE** marks.
 - (3) Answer should be brief and straight to the point.

- 1 Draw the diagram of Air leg and name its parts.
- 2 List various parts of jack hammer drill.
- 3 List the types of continuous miners used in coal. mining.
- 4 State the necessity of intrinsic safety in Mining.
- 5 List the methods of signaling in mines.
- 6 List. the merits of koepe friction winding.
- 7 State the purpose of headgear used in winding.
- 8 State the applicability of flexible guides.
- 9 List the characteristics of curves of pumps.
- 10 Define the term static discharge head.

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[Contd...

PART - B

10×5=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 Explain the Principle of working of Electric coal drill with neat sketch.
 - 12 Sketch and explain the. Rocker shovel.
 - 13 Describe the gate end switch gear used for coal drills with a neat sketch.
 - 14 Explain signaling at long wall faces.
 - 15 Sketch and explain the keps used in winding.
 - 16 Sketch and explain King's detaching hook used in winding.
 - 17 Explain the constructional details of mono pump.
 - 18 Explain the constructional details of reciprocating pump.
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