



C09-MNG-304

3264

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH / APRIL - 2019

DMNG - III SEMESTER EXAMINATION

COAL MINING

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 List the general considerations for layout of panel.
- 2 List the factors influencing the size of the panel.
- 3 Define the terms caving and stowing.
- 4 Classify the methods of depillaring.
- 5 Define the terms : (a) Gate roads (b) Main gate.
- 6 List the different factors governing the length of Longwall face.
- 7 Define the term long wall retreating.
- 8 List the applicabilities of longwall retreating.
- 9 List the difficulties in working thick seams.
- 10 List the applicabilities of hydraulic mining.

3264]

1

[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 method of development along the strike in Bord and pillar method of mining.
- 12 Explain the sequence of operations involved in depillaring.
- 13 List the preparatory arrangements during planning for depillaring operation.
- 14 Explain the layouts of mechanised long wall face advancing with caving.
- 15 Explain the long wall advancing indicating its applicabilities.
- 16 Explain the lay out of mechanized Long Wall face retreating with stowing.
- 17 Explain the horizontal slicing with caving and stowing.
- 18 Explain the method of bidirectional, over passing ploughing.