



C14-MNG-605

**4766**

**BOARD DIPLOMA EXAMINATION, (C-14)**

MARCH / APRIL - 2019

**DMNG - VI SEMESTER EXAMINATION**

**MINE SAFETY ENGINEERING**

Time : 3 Hours]

[Total Marks : 80

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**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 and shall not exceed five simple sentences.

- 1 Define the terms (a) unsafe act (b) safety awareness. **1.5+1.5**
- 2 State the standards of ventilation in the below ground workings.
- 3 Define the terms (a) Injury (b) Accidents rate. **1.5+1.5**
- 4 List the preventive measures against accidents due to falls off ground.
- 5 List the causes of accidents due to haulage.
- 6 State the scope of vocational training.
- 7 State the purpose of smoke helmet.
- 8 State the purpose of rescue station.
- 9 State the causes of Pneumoconiosis.
- 10 State the control of diseases due to radioactive minerals.

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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 mine safety week celebrations.
- 12 Explain about safety conferences and their objectives.
- 13 List the causes and preventive measures against accidents due to falls off ground.
- 14 List the causes and preventions of accidents due to electricity in mines.
- 15 State the factors to be considered for selection of training officer.
- 16 Explain the functions of self rescuer.
- 17 Explain about various forms of pollution due to mining.
- 18 State the causes, symptoms and precautions against Asbestosis.