



C09-MNG-606A

3791

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH / APRIL - 2019

DMNG - VI SEMESTER EXAMINATION

ADVANCED MINE ENVIRONMENTAL ENGINEERING

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 State the types of Mine fires.
- 2 List the different fire fighting equipment.
- 3 State the application of Triggered barrier.
- 4 State the situations requiring Rescue operations.
- 5 Compare between self rescuer and gas mask.
- 6 State the applicability of timber dam.
- 7 State the purpose of safety lamp
- 8 List the Nitrous Fumes detector.
- 9 List the diseases due to inhalation of dust in mines
- 10 List the equipment- required for continuous monitoring

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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 method of collection of samples behind fire seals.
- 12 Explain the preventive measures of fire damp explosions.
- 13 Explain tile construction of rescue organisation.
- 14 Explain the precautions to be taken while approaching water logged areas, with sketch.
- 15 Explain accumulation test with sketches
- 16 Explain remote monitoring
- 17 State the effects and treatment of Nystagmus
- 18 Explain monitoring of gases in gassy mines.

