



C14-MNG-602

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**BOARD DIPLOMA EXAMINATION, (C-14)
OCTOBER/NOVEMBER-2018
DMNG-SIXTH SEMESTER EXAMINATION**

MINE SAFETY ENGINEERING

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. Define the term unsafe conditions.
2. Define the pit safety committee.
3. Define the term Accidents.
- * 4. List direct losses (costs) and indirect losses (costs) due to accidents in mines.
5. List the prevention of accidents due to haulage.
6. State the purpose of vocational training.
7. State the purpose of smoke helmet.
8. Define resuscitation.
9. List various miners' diseases.
10. Define the term pneumoconiosis.

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PART-B

10X5=50

- Instructions* : *
1. Answer any **Five** questions, choosing at least one from each section.
 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 about safety conferences and their objectives.
12. Explain the role of D.G.M.S safety in mines.
13. List the causes and remedial measures of accidents due to winding.
14. List the causes and preventions of accidents due to electricity in mines.
15. State the duties and responsibilities of training officer.
16. Explain the constructional details of compressed oxygen self contained breathing apparatus.
17. Explain about various forms of pollution due to mining.
18. State the cause, symptoms and precautions against Asbestosis.

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