



C16-MNG-106

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BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2018

DMNG—FIRST YEAR EXAMINATION

MINING GEOLOGY—I

Time : 3 hours ]

[ Total Marks : 80

**PART—A**

2×15=30

**Instructions** : (1) Answer *any fifteen* questions.

(2) Each question carries **two** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

- \* 1. Define the term 'hydrogeology'.
2. Define the term 'structural geology'.
3. Write a short note on scope of geology.
4. Name the important methods to determine the age of the earth.
5. Define the terms (a) abrasion and (b) attrition.
6. Write a short note on earthquake waves propagation.
7. Define the terms (a) epicenter and (b) earthquake.
8. List the classification of volcanoes.

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9. List the different factors responsible for weathering.
10. Write a short note on denudation.
11. List the important minerals of Olivine family.
12. Write a short note on luster of a mineral.
13. Define the term 'mineral'.
14. Write any two industrial uses of the following minerals : 1+1=2  
(a) Barite  
(b) Chromite
15. List the important minerals of Quartz family.
16. Write a short note on Mho's scale of hardness.
17. Write a short note on specific gravity of a mineral.
18. Write the industrial uses of corundum.
19. Write a short note on continental drift.
20. Define the term 'seafloor spreading'.

**PART—B**

10×5=50

- Instructions** : (1) Answer *any five* questions.  
(2) Each question carries **ten** marks.  
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

21. Explain the uses of geology in mining field.
22. Write an essay on the branches of geology.
23. Explain the internal structure of the earth.

- 24.** Explain the geological work of wind with suitable sketches.
- 25.** Write an essay on megascopic properties of a mineral with suitable examples.
- 26.** (a) Define the term 'mineralogy'. 2  
(b) List the minerals of pyroxene group of minerals and mica group of minerals. 4+4=8
- 27.** Explain the industrial uses of any five metallic minerals.
- 28.** Explain the major tectonic features of the oceanic and continental crusts.

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