



C16-MNG-106

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BOARD DIPLOMA EXAMINATION, (C-16)
MARCH/APRIL—2018
DMNG—FIRST SEMESTER 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 structural geology.
2. Write any four uses of geology.
3. Define the term economic geology.
4. Name the important methods to determine the age of the earth.
5. Define the term (a) denudation and (b) attrition.
6. Define the term earthquake.
7. Write a short note on earthquake waves propagation.
8. List the classification of volcanoes.
9. Write a short note on abrasion.

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10. List the different factors responsible for weathering.
11. List the important minerals of amphibole family.
12. Write a short note on fracture of a mineral.
13. Write industrial uses of corundum mineral.
14. Define the term mineral.
15. List the important minerals of mica family.
16. Write a short note on Moh's scale of hardness.
17. Write a short note on specific gravity of a mineral.
18. Write the industrial uses of Hematite.
19. Define the term sea floor spreading.
20. Write a short note on continental drift.

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 scope of geology.
22. (a) List any eight branches of geology. 2
 (b) Define any four branches of geology. 2×4=8
23. Explain the geological work of wind with neat sketches.
24. Explain the nebular hypothesis of Kant and Laplace.

- 25.** Explain any five megascopic (physical) properties of a mineral with suitable examples.
- 26.** (a) Define the term mineralogy. 2
(b) List the minerals of feldspar group of minerals and quartz group of minerals. 4×2=8
- 27.** Explain the industrial uses of any five metallic minerals.
- 28.** Explain the major tectonic features of the oceanic and continental crust.

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