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C14-MNG-106

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BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL-2019

DMNG - I YEAR EXAMINATION

MINING GEOLOGY I

Time : 3 Hours]

[Total Marks: 80

PART-A

4X10=40

- Instructions :**
1. Answer **ALL** questions.
 2. Each question carries **FOUR** marks (Two marks for each bit).
 3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. (a) Define the term Stratigraphy
(b) Write a short note on the uses of geology in mining
2. (a) Name the important methods to determine the age of the earth
(b) Write a short note on classification of volcanoes
3. (a) Define the term Weathering
(b) Define the terms (i) attrition and (ii) denudation
4. (a) List the different types of Weathering
(b) Define the terms (i) focus and (ii) epicenter
5. (a) State the Moh's scale of hardness for minerals
(b) Write the industrial uses of Topaz mineral
6. (a) List any four minerals of Olivine family
(b) Write the industrial uses of Calcite mineral
7. (a) Define the terms Lava and Magma
(b) Define the term petrology
8. (a) Write a short note on Stratification
(b) List the textures of igneous rocks
9. (a) Define the term fault and list the parts of a fault
(b) Define the term Structural geology
10. (a) Write a short note on Dome an Basin
(b) Define the terms (i) Hade and (ii) True dip

PART-B

10X4=40

- Instructions* : *
1. Answer any **FOUR** 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. (a) Draw the figures of the erosional features formed by the River 2 M
(b) Explain the geological work of a River 8 M
12. (a) Draw the internal structure of the earth with a neat sketch 2 M
(b) Explain the internal structure of the earth 8 M
13. (a) Write a short note on Fracture of a Mineral 2 M
(b) Write any four Physical properties of a Mineral 8 M
14. (a) Define the term mineral 2 M
(b) State the occurrence and distribution of important minerals in India 8 M
15. (a) Write a short note on Conglomerate 2 M
(b) Explain the Structures of sedimentary rocks 8 M
16. (a) Define the term metamorphism 2 M
(b) Explain any four Textures of igneous rocks 8 M
17. (a) Draw a neat sketch of a fold and label its parts 2 M
(b) Explain any four kinds of folds with neat sketches 8 M
18. (a) Define the term Joint 2 M
(b) Write an essay on various kinds of Unconformities 8 M
