



C-16-MNG-106

5049-A

BOARD DIPLOMA SUPPLEMENTARY (INSTANT)

EXAMINATION, (C-16)

JUNE - 2019

DMNG - FIRST YEAR EXAMINATION

MINING GEOLOGY - I

Time : 3 Hours]

[Total Marks : 80

PART - A

2×15=30

- Instructions :**
- (1) Answer any 15 questions.
 - (2) Each question carries 2 marks.
 - (3) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1 List the branches of Geology.
- 2 Define the term Geology.
- 3 Define the term Weathering.
- 4 Define the term Erosion.
- 5 Define the term Mesa.
- 6 Define the term Butte.
- 7 Define the term Epicenter.
- 8 Define the term Focus.
- 9 List the important Minerals of Olivine.
- 10 List the important Minerals of Pyroxenes.
- 11 Write the uses of Kyanite.
- 12 Write the uses of Gypsum.

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- 13 Define the term Igneous rocks.
- 14 Define the term Metamorphic rocks.
- 15 Define the term Metamorphism.
- 16 Explain the Schistose Structure.
- 17 Define the term Structural Geology.
- 18 Define the term Bedding.
- 19 Define the term Joint.
- 20 Define the term Unconformities.

PART - B

10×5=50

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

- 21 Describe the internal structure of the Earth.
- 22 Explain the earthquake wave propagation.
- 23 List the industrial uses of following minerals : **2+2+2+2+2**
 - (a) Topaz
 - (b) Chromites
 - (c) Calcite
 - (d) Malachite
 - (e) Apatite
- 24 (a) List the various mineral based industries in Telangana. **5**
(b) List the various mineral based industries in India. **5**
- 25 Explain the classification of sedimentary rocks.

- 26** Describe the following rocks. **2+2+2+2+2**
- (a) Granite
 - (b) Lime stone
 - (c) Shale
 - (d) Charnockite
 - (e) Schist
- 27** (a) Define the term fold. **2+8**
- (b) Explain the fold and its components with sketches.
- 28** Describe different kinds of Faults.
