



C09-MNG-106

**3056**

**BOARD DIPLOMA EXAMINATION, (C-09)**

MARCH / APRIL - 2019

**DMNG - FIRST YEAR EXAMINATION**

**MINING GEOLOGY - I**

Time : 3 Hours]

[Total Marks : 80

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**PART - A**

**3×10=30**

- Instructions :**
- (1) Answer **ALL** questions.
  - (2) Each question carries **THREE** marks.
  - (3) Answer should be brief and straight to the point.

- 1 State the scope of geology in mining.
- 2 Write about the seismic wave propagation.
- 3 List the causes for earth quakes.
- 4 Define the terms (a) Attrition (b) Abrasion
- 5 Name the minerals of quartz group.
- 6 List the megoscopic properties of minerals.

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- 7 Write about discordant forms.
- 8 State classification of sedimentary rocks.
- 9 Define the terms (a) Apparent dip (b) Strike
- 10 Draw the recumbent fold.

**PART - B**

**10×5=50**

**Instructions :**

- (1) Answer any **FIVE** 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 Write a short essay on the role of various weathering agents.
- 12 Draw and label the figure of the internal structure of the earth.
- 13 Write a short essay on the distribution of minerals in India.
- 14 Write the occurrence and distribution of minerals in A.P.
- 15 Describe the structures of the metamorphic rocks with suitable figures.
- 16 Write the classification of the igneous rocks.
- 17 Explain the criteria to identify the unconformities in the field.
- 18 Describe the secondary structures of rocks.