



C-16-MNG-106

**5049**

**BOARD DIPLOMA EXAMINATION, (C-16)**

MARCH / APRIL - 2019

**DMNG - FIRST YEAR EXAMINATION**

**MINING GEOLOGY - I**

Time : 3 Hours]

[Total Marks : 80

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**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 State the uses of geology in Mining field.
- 2 State the scope of geology
- 3 Define the term Denudation.
- 4 Define the term Attrition.
- 5 Write in brief about Meanders with sketches.
- 6 Write in brief about Oxbow Lakes with sketches.
- 7 Define the term Vent
- 8 Define the term Crater
- 9 List the important Minerals of Feldspar family
- 10 List the important Minerals of Amphiboles family

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- 11 Define the term Streak.
- 12 Moh's scale of Hardness
- 13 Define the term Rock
- 14 Define the term Lava
- 15 Define the term magma
- 16 List out the different metamorphic Agents
- 17 Define the term True dip
- 18 Define the term Apparent dip
- 19 Define the term Anticlines
- 20 Define the term Synclines

**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 Explain different factors responsible for weathering.
- 22 List the causes and effects of Earth Quakes **5+5=10**
- 23 Describe various uses of minerals of the following. **2+2+2+2+2=10**
  - (a) Barites
  - (b) Hematite
  - (c) Mica
  - (d) Quartz
  - (e) Zirconium

- 24 (a) State the occurrence and distribution of important minerals in 5  
Telangana.
- (b) State the occurrence and distribution of important minerals 5  
in India.
- 25 Explain the Structures of sedimentary rocks.
- 26 Describe the different kinds of Metamorphism
- 27 Describe different kinds of unconformities.
- 28 Describe different kinds of faults with sketches. 10
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