



C14-MNG-106

4057

**BOARD DIPLOMA EXAMINATION, (C-14)  
OCTOBER/NOVEMBER-2018  
DMNG-FIRST 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
  3. Answer should be brief and straight to the point

1. (a) Define the term 'physical geology'.  
(b) List any 4 branches of Geology.
2. (a) Write in brief about alluvial fan  
(b) Define the term "Erosion".
3. (a) Define the term seismograph.  
(b) Define the term "Denudation".
4. (a) Define the term crater.  
(b) Define the term "Ventifacts".
5. (a) Define the terms lustre.  
(b) List out the megascopic properties of minerals.
6. Write the uses of following (a) Ball clays (b) Fire clays.
7. (a) Write the uses of pegmatite  
(b) Define the term Petrology,

/4057

1

Contd.,

8. (a) Define the term texture.  
(b) Define the term Metamorphism.
9. (a) Define the term bedding  
(b) Define the Unconformity with neat sketch.
10. (a) Define the term anticlines.  
(b) Write the overlap with neat sketch.

### 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) Describe the internal structure of the earth with neat sketches.  
(b) What are the major characteristics of each region?
12. (a) Explain causes and effects by Earth quakes.  
(b) Explain the classification of volcanoes.
13. (a) Explain the Megascopic properties of mineral with examples.  
(b) Write various groups of mineral.
14. List the industrial uses of following metallic minerals.  
(a) Kyanite (b) Chromites (c) Hematite (d) Barytes (e) Chalcopyrite.
15. (a) Write about the formation of sedimentary rocks.  
(b) Describe the Concordant form.
16. (a) Explain the forms of igneous rocks.  
(b) Write about the formation of sedimentary rocks.
17. (a) Explain the fold and its components with sketches.  
(b) Explain the Recumbent folds with neat sketch.
18. (a) Define the term 'structural geology'.  
(b) Explain the fault and its components with sketches.

\*\*\*\*\*