

BOARD OF INTERMEDIATE EDUCATION, A.P, HYDERABAD

MODEL QUESTION PAPER-GEOLOGY- I YEAR (W.E.F.2008-09)

Time: 3 Hours

Max.marks:100

Note: Answer all questions

Section – A

- I. Write an essay on the origin of the Earth. **(1×15=15 marks)**

OR

Define a glacier. Discuss the types and geological activities of glaciers.

OR

Write an essay on intensity, causes and effects of earth quakes

- II. Describe the physical properties and chemical composition of amphibole group of minerals. **(1×15=15 marks)**

OR

Write an essay on classification of crystal systems.

OR

Define a mineral and describe the physical properties of minerals.

- III. Define Structural Geology. Discuss the relations of Structural Geology with other branches of Geology. **(1×15=15 marks)**

OR

Define a fold. Describe the various parts of fold.

OR

Define a fault. Write an essay on the classification of faults.

Section – B

- IV. Write short notes on any **two** of the following: **(2×7 1/2 =15)**

- Physical weathering
- Types of Volcanoes.
- Hydrological cycle
- Continental Drift

- V. Write short notes on any two of the following: **(2×7 1/2 =15)**

- Interfacial angles
- Symmetry elements of cubic system
- Augite
- Biotite

VI. Write short notes on any two of the following:

(2×7 1/2 =15)

- a. Unconformities
- b. Strike-dip
- c. Normal fault
- d. Joints

Section – C

VII. Answer all the questions. Write the correct statement in answer book.

(10×1=10 marks)

- a. Moon is the satellite of Earth
Moon is the satellite of Pluto
- b. The symbol of basal pinacoid is 001
The symbol of basal pinacoid is 011
- c. Natural levees are product of rivers.
Natural levees are product of oceans.
- d. Sand dunes are related to wind deposition.
Sand dunes are related to glacial deposition.
- e. The age of Earth is 4500 M. Years.
The age of Earth is 6300 M. Years.
- f. Three crystallographic axes in triclinic system are equal.
Three crystallographic axes in triclinic system are unequal.
- g. Augite belongs to pyroxene group of minerals.
Augite belongs to mica group of minerals.
- h. The hardness of corundum is 09.
The hardness of corundum is 02.
- i. Strike and dip are structural elements.
Strike and dip are physical properties of minerals.
- j. Repetition and omission of beds indicate faults.
Repetition and omission of beds indicate unconformities.
