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)

   a. Physical weathering

   b. Types of Volcanoes.

   c. Hydrological cycle

   d. Continental Drift

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

   a. Interfacial angles

   b. Symmetry elements of cubic system

   c. Augite

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

(a) Unconformities  
(b) Strike-dip  
(c) Normal fault  
(d) Joints  

Section – C  

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

(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.  

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