**MOUNT KENYA UNIVERSITY**

**SCHOOL OF SOCIAL SCIENCES**

**DEPARTMENT OF LANGUAGES AND HUMANITIES**

**BACHELOR OF EDUCATION**

**UNIT NAME: PHYSICAL GEOGRAPHY**

**UNIT CODE: BHU1215**

**MAIN EXAM**

**TIME:2HOURS**

**INSTRUCTIONS:ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS.**

1.a) Define the following terms as used in physical geography ;

 i) Earthquake.

 ii)Lithosphere.

 iii)Sersmic focus

 iv)Atmosphere.

 v) Weather. (16 marks)

b)Name three types of islands found in the ocean. (3 marks)

c) Give characteristics of limestone rocks. (4 marks)

d)Make any three layers of the atmosphere in ascending order.(3 marks)

e)Explain five negative effects of folding to man. (10 marks)

2. a) What is the meaning of plate tectonics? (3 marks)

 b) i) State the three ways in which plate’s moves. (3 marks)

 ii) State four main types of earth movements. (4 marks)

c)Explain five ways in which rocks are significant to men.(10 marks)

3. a) i. State two characteristics of S-Waves generated by an earthquake.(2 marks)

 ii) name the instruments that measures sersmic waves. (1 mark)

 b) i. What’s temperature inversion? (2 marks)

 ii) Briefly explain how temperature is measured in a weather station.(7 marks)

c)Explain the following types of faults;

i) Normal fault.

ii) Reverse fault.

d)Explain any four significance of faulting to human activities.(4 marks)

4.a) i) With an aid of a diagram, show how earth moves around the sun.(5 marks)

 ii) State four effects of earth’s rotation. (4 marks)

 b) State any three metamorphic rocks. (3 marks)

 c)Explain any four evidence of continental drift theory. (8 marks)

5.a) i. Give four evidence that the interior of the earth is hotter. (4 marks)

 ii)State the two discontinuity found in the interior of the earth.(2 marks)

 b) Why is the ozone layer important to man? (4 marks)

 c) With a well labelled diagram ,describe how a composite volcano is formed.(10 marks)