**Name: ..................................................................................................Class........................**

**Candidate’s signature……………….Date……………….**

 **Index number……………………………………………...**

**312/1**

**GEOGRAPHY**

**Paper 1**

**Time: 2 ¾ Hours**

**ELERAI PRE- MOCK EXAMINATIONS - 2016**

***Kenya Certificate of Secondary Education (K.C.S.E)***

***GEOGRAPHY PAPER 1***

***2 ¾ HRS***

**INSTRUCTIONS TO CANDIDATES**

(a) *This paper has two sections A and B*

*(b) Answer ALL the questions in section A*

*(c) Answer question 6 and any other two questions from section B*

*(d) All answers must be written in the answer sheets provided*.

***This paper consists of 4 printed pages. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing***

**SECTION A:**

***Answer all the questions in this section***

1. a) Using a well labeled diagram, describe the centrality of geography as a science. 4mks

 b) Name two careers that are open to a geography student. 2mks

1. a) i) give one example of a non- metallic mineral. 1mk

 ii) List two characteristics of panning mining method. 2mks

 b) Identify two minerals which can easily be mined using the placer mining method. 2mks

1. a) Identify two instruments kept in a Stevenson screen. 2mks

 b) Give two factors that influence relative humidity. 2mks

 Vegetation

Humus

 Horizon A

 Horizon B

 Horizon C

 Horizon D

The above diagram represents an arrangement of the soil.

a. i) Name the arrangement. 1mk

 ii) Identify horizon A. 1mk

 iii) Highlight two characteristics of horizon B. 2mks

1. a) State three types of river erosion. 3mks

 b) Give three characteristics of a river at its mature stage. 3mks

**SECTION B**

***Answer question 6 and any other two questions from this section***

1. Study the map extract of Busia sheet 101/1 and answer the questions that follow.

a) Identify features found in grid square 2742 other than a river. 3mks

b) Measure the distance of the provincial boundary from the section at grid square 3032 to the function at grid square 3532. 2mks

c.i) Using a vertical scale of 1cm to represent 40m , draw a cross section from point A 260340 to point B 330360 on it mark and name hills, rivers and river line trees. 7mks

ii) Calculate the vertical exaggeration of your cross section. 2mks

d) Citing evidence from the map extract identify three economic activities carried out in the area covered by the map. 3mks

e) Describe the climate of the area covered by the map. 4mks

f) i) Give the longitudinal extent of the area covered by the map. 2mks

 ii) Calculate the bearing of the air photo principal point at grid square 313/8 from the trigonometrically station skp206 2mks

1. a) Identify two Tarn. Lakes in Kenya. 2mks

 b) Lake Kyoga in Uganda just like Lake Victoria in Kenya is one of the East African lakes. Describe how it was formed. 4mks

 c) Lake Naivasha in Kenya is a fresh water lake. Identify three reasons for this. 6mks

 d) Lakes have several economic uses. Explain three negative effects of the same lakes. 6mks

 e) Students from a school in Baringo visited Lake Bogoria in the area as they carried out a filed study.

i) Identify three main methods of data collection they used. 3mks

ii) Highlight two reasons they would have identified why the Lake is saline. 2mks

iii) List two problems they were likely to encounter in the area of study. 2mks

1. a) i) Differentiate between a coast and a coastline. 2mks

 ii) Identify three causes of salinity in oceans. 3mks

 iii) State three ways in which ocean water moves sideways. 3mks

 b) Use the following diagram of a coast to answer the questions below.

 Hotel

 A

 B

 C

 Sea

1. Identify the type of coast. 1mk
2. Name the features marked. 3mks

A –

B-

C-

1. Giving an example to describe how feature C is formed. 4mks

c) Identify three types of tides. 3mks

d) Outline three ways in which coastal features are of significance to human activities in Kenya. 6mks

9. a. i) Define wind 2mks

**ii**) Describe the process of wind erosion. 6mks

b) Describe four factors that influence wind transport. 5mks

c) Using a diagram explain how a Seif dunes is formed. 4mks

d) Explain three negative effects of desert features. 6mks

10.a)Outline four human activities that contribute to mass wasting. 4mks

b) Name four types of landslide. 4mks

c) A form three class visited an area affected by mass wasting.

i) State three objectives of their study. 3mks

ii) Identify two methods of collecting data they would use. 2mks

 iii) State four problems they may encounter in the field. 4mks

d) Explain four effects of mass wasting. 8mks