

312 / 1  
GEOGRAPHY  
PAPER 1  
JULY / AUGUST 2010  
2  $\frac{3}{4}$  HOURS

# BELGUT/AINAMOI JOINT EVALUATION TEST

## Kenya Certificate of Secondary Education 2010

312 / 1  
GEOGRAPHY  
PAPER 1  
JULY / AUGUST 2008

### INSTRUCTIONS TO CANDIDATES

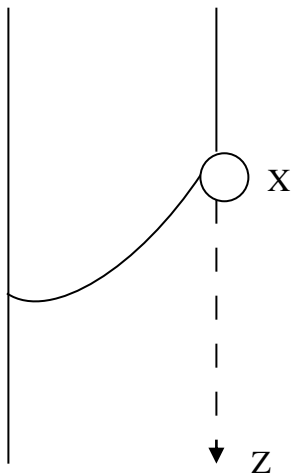
- ❖ Answer **all** questions in section **A**
- ❖ In Section **B** answer Question **6** and any other **TWO** questions.
- ❖ **All** answers **must** be written in the answer booklet provided.

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

## **SECTION A**

**Answer ALL questions in this section.**

1. a) Difference between local time and standard time (2marks)  
b) How does circumnavigation prove that the earth is spherical. (3marks)
2. a) Name two plains found in Kenya (2marks)  
b) State three ways in which plains are formed (3marks)
3. a) Define the term river capture (2marks)  
b) The diagram below shows a river  
Name the features marked X, Y, Z. (3marks)



4. a) List features resulting from extrusive volcanic activity (2 marks)  
b) State three ways in which volcanicity has influenced human activities in Kenya (3marks)
5. a) What is a glacier? (2marks)  
b) Describe how a glacier is formed. (3marks)

## **SECTION B**

**Answer question 6 and any other TWO questions in this section**

6. Study the map of Belgut 1:50,000 (sheet 117/3) and answer the questions that follow.
  - a) (i) What is the height of the trigonometrical station found at grid square 4451. (1mk)  
(ii) Name the districts bordering the map extract to the;  
(3mks)
    - West
    - North
    - South
  - b) Give the latitudinal extent of the map extract. (1mk)
  - c) Describe the drainage of the area covered by the map extract. (5mks)

- d) (i) Draw a rectangle measuring 16cm by 12cm to represent the area enclosed by the Eastings 25 and 40 and Northing 50 and 60.  
(1mk)  
On the rectangle, mark and name the following features.
- I. River Sondo. (1mk)
  - II. All weather roads bound surface. (3mks)
  - III. Two dome shaped hills. (2mks)
- d ii) Citing evidence from the map, give two social activities carried out in the area covered by the map.  
(4mks)
- e) Describe the distribution of settlements in the area covered by the map.  
(6mks)

7.

- a) Name any three kinds of desert landscapes  
(3mks)
- b) State any four factors that lead to the formation of desert land forms  
(4mks)
- c) With the aid of diagrams, describe the formation of:
  - i) Barchans  
(4mks)
  - ii) Rock pedestal  
(4mks)
- d) Identify two landforms resulting from water action in arid areas  
(2mks)
- e) Suppose you are to carry out a field study on desert landforms
  - (i) State any two objectives you would formulate  
(2mks)
  - (ii) Give two methods you would use to record your data  
(2mks)
  - (iii) State any four problems you are likely to face during field study in the desert  
(4mks)

8.

- a) (i) What is soil leaching?  
(1mk)
- (ii) State three factors that contribute to soil formation  
(6mks)
- b) Name three types of intra-zonal soils  
(3mks)
- c) Outline the characteristics of the following soils
  - (i) Chernozemis  
(3mks)
  - (ii) Latosols  
(3mks)
- d) You intend to carry out a field study on soils within the school vicinity

- i) State three methods of data collection you would use (3mks)
- ii) Name three properties of soil you are likely to identify (3mks)

9.

- a) (i) Explain three factors influencing the distribution of vegetation in Kenya (6mks)  
(ii) Name any two major vegetation regions of Kenya (2mks)
- b) (i) Describe three characteristics of the tropical rain forest (6mks)  
(ii) State two problems experienced during the exploitation of the tropical rainforest (2mks)
- c) Suppose you were to carry out a field study on vegetation on Mt. Kenya,
  - (i) List three characteristics of vegetation you would study (3mks)
  - (ii) State three hypotheses you would formulate for the study (3mks)
  - (iii) Give three uses of mountain vegetation you are likely to study about (3mks)

10.

- a) Define the term folding (2mks)
- b) (i) What are the causes of folding (3mks)  
(ii) With the aid of illustration, describe how a fold mountain is formed (8mks)  
(iii) Name two fold mountains found in Africa
- c) (i) Explain four significance of fold mountains (8mks)  
(ii) Apart from Fold Mountains, name two other features resulting from folding. (2mks)