

**312/ 1**  
**GEOGRAPHY**  
**PAPER 1**  
**JULY/AUGUST 2010**  
**2 ¾ Hours**

**BOMET/CHEPALUNGU JOINT EVALUATION TEST - 2010**  
*Kenya Certificate of Secondary Education (K.C.S.E)*

**312/ 1**  
**GEOGRAPHY**  
**Paper 1**  
**2 ¾ Hours**

**Instruction to Candidates**

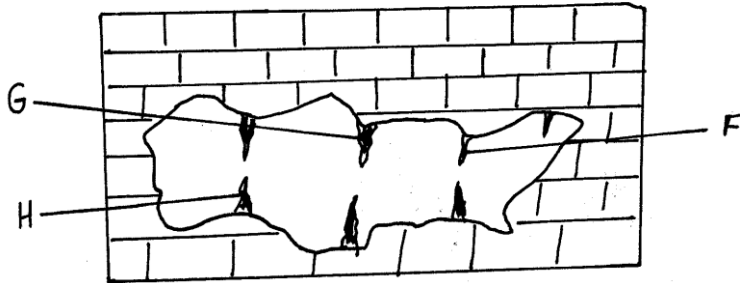
- This paper consists of **Two** sections **A & B**
- Answer all questions in section **A**. In section **B** Answer question **6** and any other **two** questions from this section
- All answers must be written in answer sheets provided.

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

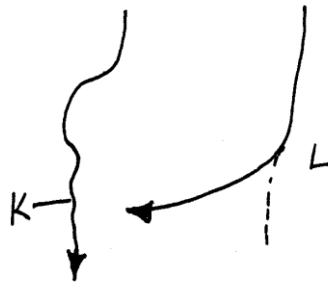
## SECTION A

*Answer all questions in this section.*

- 1 (a) Define the term “**Earth’s rotation**” (1 mark)
- (b) State **three** effects of the rotation of the earth. (3 marks)
- 2 (a) Name **two** causes of earth movements. (2 marks)
- (b) State **three** evidences that confirm the continental drift theory. (3 marks)
- 3 (a) Define the term water table. (1 mark)



- (i) Name the features marked F, G and H. (3 marks)
- (ii) Give **two** characteristics of limestone rocks. (2 marks)
- 4 (a) Define the concept global warming. (2 marks)
- (b) Name three indicators of global warming. (3 marks)
- 5 (a) The diagram below shows a river capture, Name the parts marked **K** and **L**. (2 marks)



- (b) Describe how a lava dammed lake is formed. (3 marks)

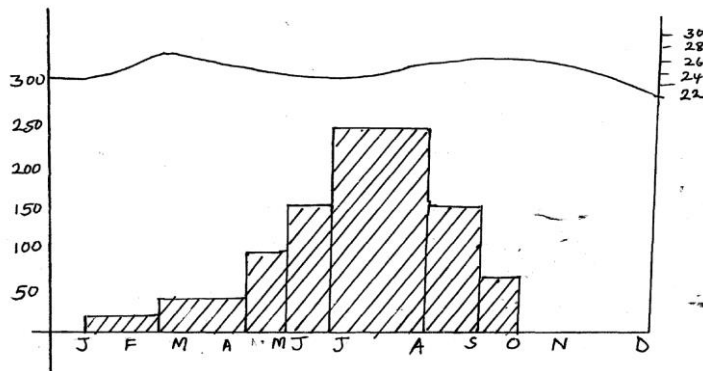
## SECTION B

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

- 6** Study the map of Kericho 1:50, 000 (sheet 117/ 4) and answer the following questions.
- (a) (i) What is the magnetic variation of the area shown on the map. (1 mark)
  - (ii) Determine the attitude of the hill in grid square 6770. (2 marks)
  - (iii) Measure the distance of the dry –weather road (E 222) from function at grid reference 588634 to grid reference 529639. (2 marks)
  - (iv) Citing evidence from the map, identify and name three social functions of Kericho Municipality (3mks)
- (b) Draw a square measuring 15cm by 15cm to represent the area covered by the map. On it, indicate: (1 mark)
- (i) Kericho municipality. (1 mark)
  - (ii) Ainabkoi – Lumbwa all weather road. (1 mark)
  - (iii) Dimilitch / Timbili rivers. (1 mark)
  - (iv) The forest (1mk)
- (c) Find the bearing of the quarry at grid square 6759 from the factory at grid reference 610625. (2 marks)
- (d) Describe the drainage of the area covered by the map. (4 marks)
- (e) Citing evidence from the map, explain three factors that favour settlements in the area covered by the map. (6 marks)
- 7**
- (a) List three ways in which wind erodes the desert landscape. (3 marks)
  - (b) With the aid of well – labeled diagram describe how the following desert features are formed.
    - (i) Zeugen. (5 marks)
    - (ii) Barchan. (5 marks)
  - (c) Explain three factors that influence wind transportation in a desert. (6 marks)
  - (d) A group of students carried out a study on wind effects in an arid area.
    - (i) State three reasons why they would have required to map of the area. (3 marks)
    - (ii) State three follow – up activities they may have made. (3 marks)
- 8**
- (a) (i) Define fog. (1 mark)

(ii) How is an advection fog formed? (4 marks)

(b) The graph below represents the climate of station X. Use it to answer the questions that follow.



Describe characteristics of the climate represented. (6 marks)

(c) Explain three ways in which vegetation in the station adapt to the climate. (6 marks)

(d) Students carried out a field study on soils found on the station represented.

(i) State four soil characteristics they would look for. (4 marks)

(ii) Explain how they would use the following methods to collect data.  
- Content analysis (2 marks)

- Observation (2 marks)

9 (a) Name two types of faults. (2 marks)

(b) With the aid of well labeled diagrams, describe how a rift valley is formed by Tensional Forces. (6 marks)

(c) (i) Name two escarpments in Kenya. (2 marks)

(ii) List three ways in which faulting can influence drainage. (3 marks)

(d) Students of a school in Rift valley carried out a field study of an area affected by faulting.

(i) State four importance of having a pre-visit of the area. (4 marks)

(ii) Give three advantages of using observation to collect data. (3 marks)

(iii) Give five importance of learning Geography through fieldwork. (5 marks)

10 (a) What is the difference between weathering and mass wasting. (2 marks)

(b) Give two processes involved in each of the following types of weathering.

(i) Physical weathering. (2 marks)

(ii) Chemical weathering. (2 marks)

(c) (i) Apart from plants, give four other factors that influence the rate of weathering. (4 marks)

(ii) Explain two ways in which plants cause weathering. (4 marks)

(d) Describe how an exfoliation dome is formed. (5 marks)

(e) Explain three effects of mass wasting on the environment. (6 marks)