

# THE BARINGO- KOIBATEK DISTRICTS

EDUCATIONAL IMPROVEMENT EXAMINATIONS-2009

312/1

GEOGRAPHY

PAPER 1

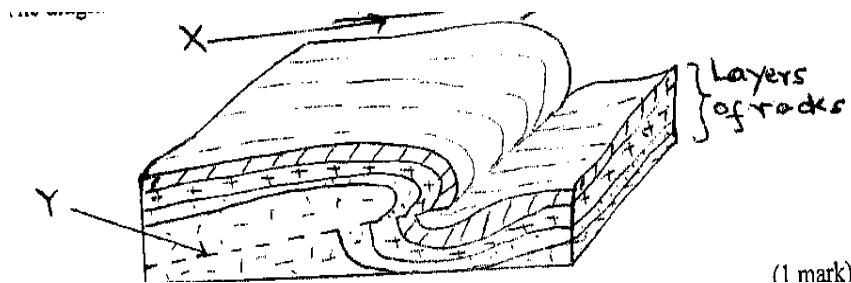
JULY/AUGUST-2009

TIME:2 ¾ HOURS.

## SECTION A

Answer all questions in this section.

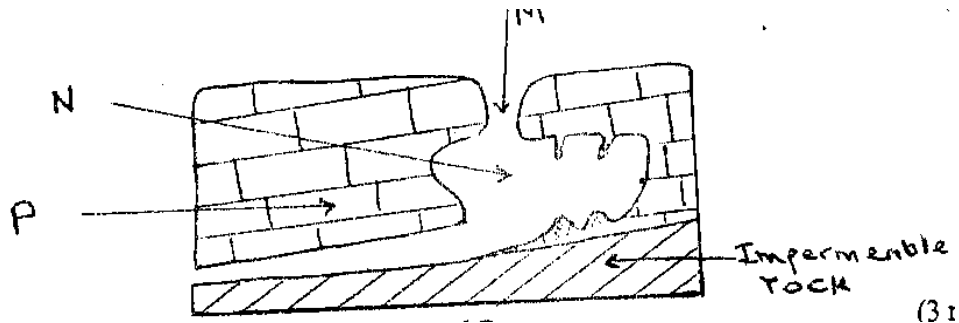
1. (a) What is humidity? (2 marks)
- (b) State **three** conditions that influence the occurrence of relief rainfall. (2 marks)
2. (a) The diagram below shows a type of fold. Use it to answer question (i) and(ii)



(1 mark)

- (i) Name the type of fold shown above. (1 mark)
- (ii) Name the parts marked X and Y. (2 marks)
- (b) Describe the formation Fold Mountains by the convectional currents theory. (2 marks)
3. (a) State **two** conditions necessary for river deposition to occur. (2 marks)
- (b) Describe how a dyke is formed. (2 marks)

4. The diagram below shows Karst landforms.



- (a) Name the features marked M,N and P. (31)
- (b) State **two** ways through which Karst features influence human activities. (2 marks)
5. (a) List **two** processes of wave erosion (2 marks)
- (b) Describe how a stack 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 provided and answer the questions that follow.
- (a) (i) What is the approximate height of the hill along easting 67 between northing 69 and 70. (2 marks)
- (ii) what is the bearing of the trigonometrically station in grid square 5566 from the one near Poiwak school. (2 marks)
- (iii) measure the length of the main track (motorable)E 224, from municipality boundary to where it joins the dry weather road in grid square 5664. (Give your answer in kilometers) (2 marks)
- (b) (i) draw a cross section along Northing 67 from Easting 51 and 57. Use vertical scale 1 cm represents 50m.

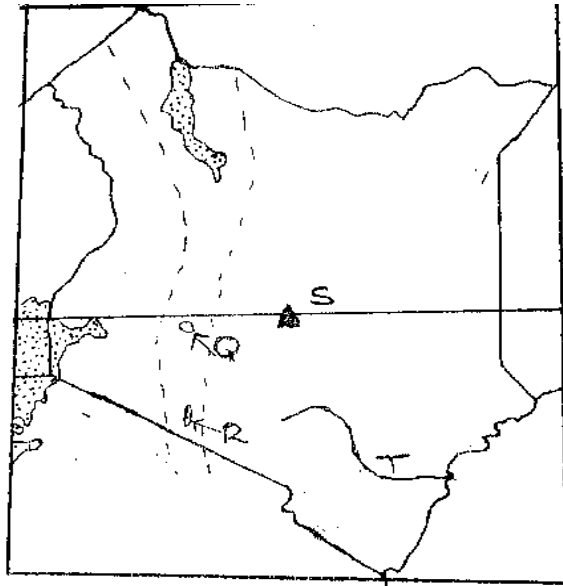
On it mark and name,

- River Muyoek
- Dry weather Road.
- Hill

(3 marks)

- (ii) Calculate the vertical exaggeration. (1 mark)
- (c) Describe the drainage of area south East of Aina Koi - Kericho Lumbwa road. (5 marks)
- (d) Suppose your class carried out a field study in the area covered by the map .
- (i) Give **two** types of settlement patterns that they identified. (2 marks)
- (ii) Name two types of natural vegetation that they identified to the North-East of Kericho-Lubwa road. (2 marks)
7. (a) What is a rock? (2 marks)
- (b) Describe the formation of mechanically formed sedimentary rocks. (5 marks)
- (c) (i) using a well labeled diagram, describe how a laccolith is formed. (5 marks)
- (ii) State **three** characteristics of igneous rocks (3 marks)
- (iii) Give **three** examples of metamorphic rocks. (3 marks)
- (d) Students from your school carried out a field study on the type of rocks.
- a. Give four from your school carried out a field study on the type of rocks
- b. One of the rock samples they collected is coral. Give three uses of this type of rock. (3 marks)
8. (a) (i) Define the term faulting (2 marks)
- (ii) List **three** types of faults (3 marks)
- (b) Using well labeled diagrams; describe how a Rift valley is formed by compressional forces. (7 marks)

(c) Use the map of Kenya below to answer the questions that follow.



Name the following:

Lakes marked Q and R.

Mountain marked S

River marked T.

(4 marks)

(d) Explain **three** negative effects of faulting

(6 marks)

(e) Form **four** students carried out a field study on a faulted landscape.  
Give three advantages of using observation as a method of collecting data

(3 marks)

9 (a) (i) Distinguish between aridity and desertification

(2marks)

(ii) Name one desert in;

-Africa

(1 mark)

-South America

(1 mark)

(b) Describe **two** processes through which wind transport its load

(4 marks)

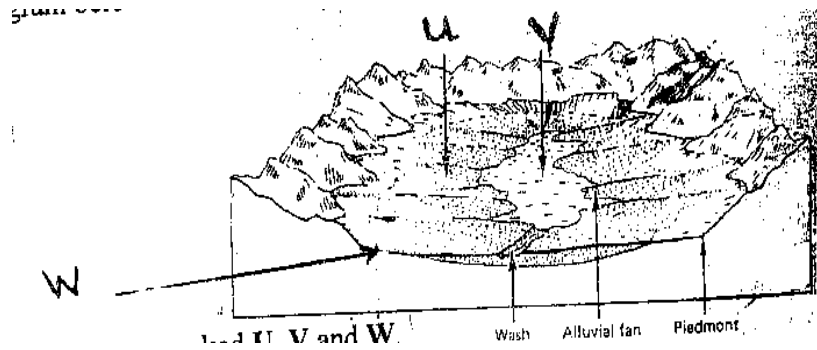
(c) (i) with an aid of labeled diagrams, describe how a yardang is formed

(7 marks)

(ii) State **three** conditions which influence deposition by wind in deserts.

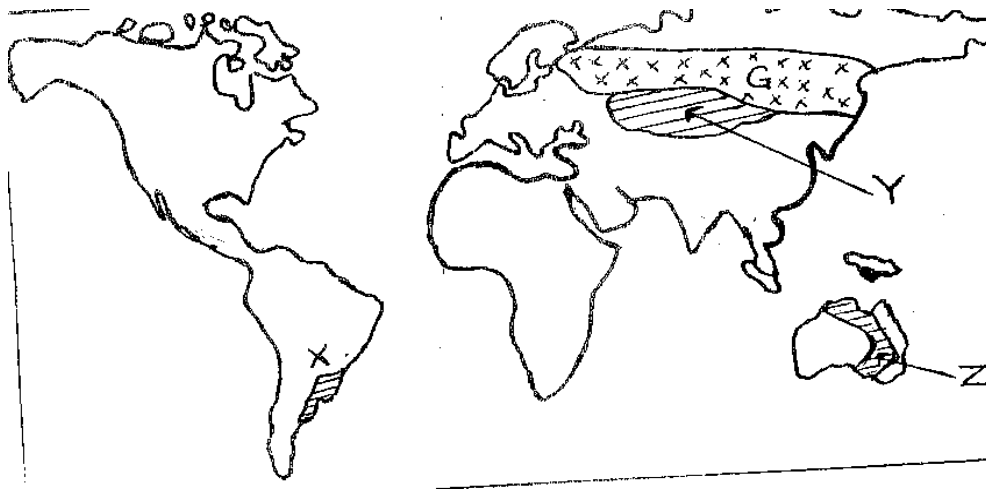
(3 marks)

(c) The diagram below shows a basin of inland drainage in an arid area.



- (i) Name the parts marked U, V and w. (3 marks)
- (ii) How is a wadi formed? (4 marks)

10. The map below shows some vegetation regions of the world. Use it to answer question (a)



- (a)(i) Name the grassland regions X and Y. (2 marks)
- (ii) The type of the vegetation marked G and z. (2 marks)
- (b)(i) State **six** characteristics of the Equatorial rainforest. (6 marks)
- (ii) Explain two factors which influence the growth of natural vegetation. (4 marks)
- (c)(i) What is soil structure? (1 mark)
- (ii) State three importance of soil structure. (3 marks)
- (d)(i) Explain **two** causes of soil degeneration (4 marks)
- (ii) Describe how sheet erosion occurs (3 marks)