

# **KCSE FINAL PREDICTION**

# **GEOGRAPHY**

**(KCSE PREDICTIONS 1-10)**

*An Exclusive Top-Notch KCSE Model Prediction Questions.*

*A special preview of Possible Expected sample KCSE Questions most likely to be Tested in the Forthcoming KNEC examinations.*

**SERIES 1**

*Proudly prepared by an Exceptional team of Experienced Veteran KNEC examiners within the National Group of Mwalimu Agency.*

*For Marking Schemes/Answers*

**0746 222 000**

**MWALIMU AGENCY**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 1 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

##### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

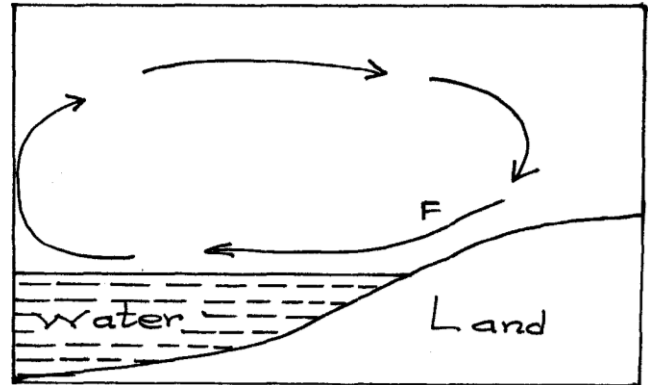
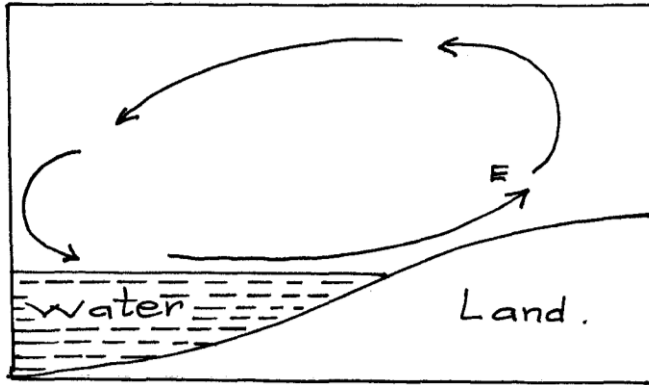
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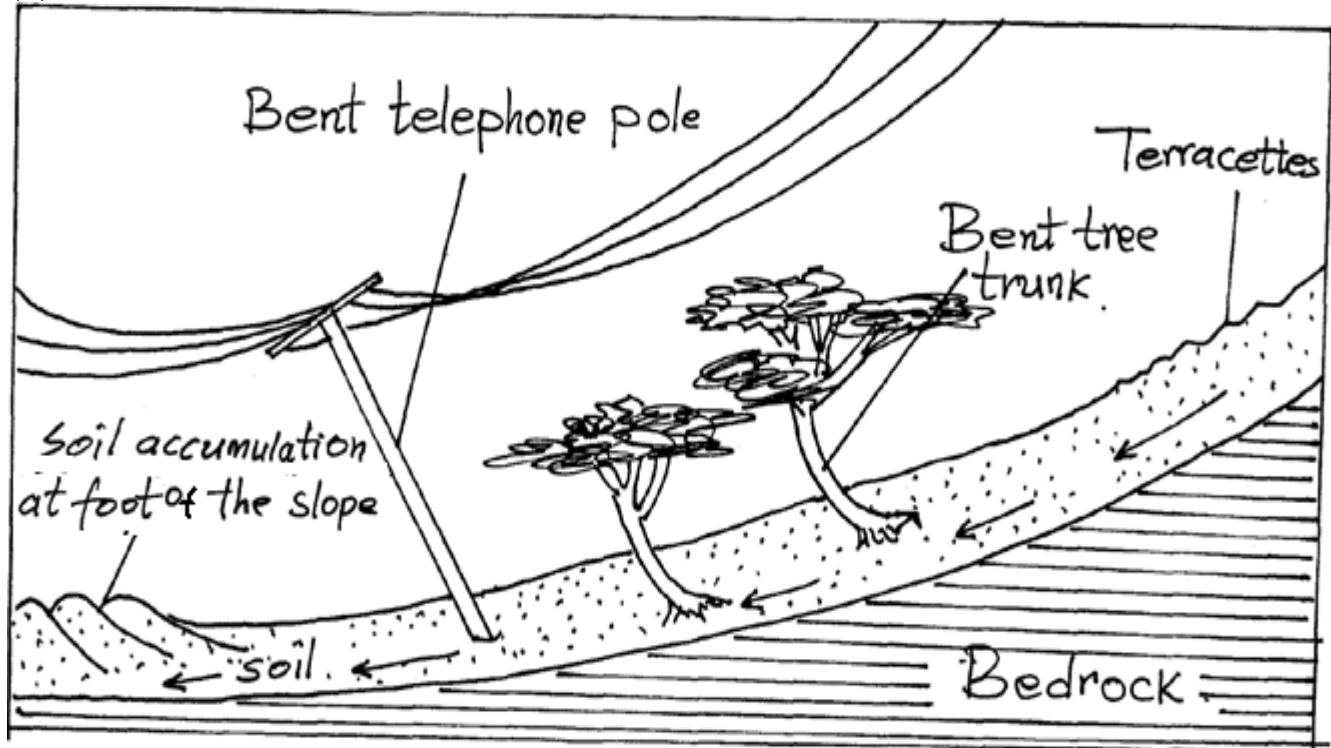
## SECTION A

Answer All the Questions in This Section

- 1) a) Define the term Geography (2mks)  
 b) What is the relationship between Geography and Biology (2mks)
- 2) a) Use the diagram below to answer the following questions  
 i) Name the air currents marked E (1mk)



- ii.) Why is the air current marked F flow at night (3mks)  
 b. Give reason why air cools as it rises (2mks)
- 3) (a) Define folding (2mks)  
 b.) List four types of folds (4mks)
- 4) The diagram below illustrate a mass wasting process. Use it to answer question (a) and (b)



- a.) Identify the process (1mk)  
 b.) Explain how the process occurs (3mks)
- 5) a.) What is a river profile (2mks)  
 b.) Name the three stages of a river profile (3mks)

**SECTION B****Answer Question 6 and Any Other Two Questions From This Section**

- 6) a .i) Give the latitudinal and the longitudinal position of the south west corner of the map extract (2mks)
- ii.) Calculate the magnetic declination of the map extract (2mks)
- b. i) Which adjoining sheet is to the S.E of the area covered by the map? (1mk)
- ii.) What is the general flow of river Chanya (2mks)
- iii.) Give three social function of Nyeri town (3mks)
- c.) Calculate the area of Nyeri Forest to the East of Easting 69 and North of Northing 56. (Give your answer in Kilometre squared(Km<sup>2</sup>) (2mks)
- d.) Citing evidence from the map. Give
- i.) Two reasons why the area is covered by the map is suitable for coffee growing (4mks)
- ii.) Two factor that favor saw milling in the area covered by the map (4mks)
- e.) Describe drainage of the area covered by the map (5marks)
- 7) a. i) Define the term rock (2mks)
- ii.) Give two way of classifying rocks (2mks)
- b) i. Describe the following characteristic of minerals (6mks)
- a) Lustre
- b) Colour
- c) Hardness
- ii.) Give the changes that occur on sedimentary rocks when subjected to intense heat and pressure (4mks)
- c. i) State the condition necessary for the growth of coral (3mks)
- ii.) Describe how coral rocks are formed (4mks)
- d.) You are planning to carry out a field study on rocks
- List two methods of recording data you are likely to use (2mks)
- ii.) Give two follow up activities of your study (2mks)
- 8) a.) What is Vulcanicity (2mks)
- b.) i) Apart from Sill name other intrusive Volcanic features (3mks)
- ii.) Describe how the following features are formed
- A sill (5mks)
- Hotspring (5mks)
- iii) Differentiate between a lava and a magma (2mks)
- iv.) Explain four negative effects of vulcanicity (8mks)

- 9) a.) i) What is the process through which wave transport the eroded materials along the coast (1mk)
- ii.) Give three factors that influence wave deposition (3mks)
- b i.) Name two types of submerged coast (2mks)
- ii.) State three characteristic of emerged highland coast (3mks)
- c.) By the use of well labelled diagrams, describe the formation of a spit. (7mks)
- d.) Student from *Isaboke Secondary school* were planning to conduct a field study on wave erosional features to areas along the coast.
- i. Give three activities they will undertake while in the field (3mks)
- ii. Name three erosional features they are likely to identify (3mks)
- iii. Outline three problems they are likely to face while in the field (3mks)
- 10) (i) Identify two processes in which ice erodes (2mks)
- ii.) Name four types of glacial moraine (4mks)
- b.) Give three ways in which ice moves (3mks)
- c.) i) Apart from Aretes, identify three other ice erosional features in highland areas (3mks)
- ii.) Describe how an Aretes is formed (5mks)
- d.) Explain the significance of upland glaciated features to human activities (8mks)

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 1 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

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#### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

#### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

## SECTION A

### Answer All the Questions in This Section

- 1.a) Name two tree species of high commercial value in a coniferous forest. (2mks)  
 b) State three characteristics of Tropical hardwood forests which hinder exploitation. 3mks
2. State two factors that influence exploitation of minerals. (2mks)  
 b) Describe how soda ash is extracted in Lake Magadi. (3mks)
- 3.a) i) Distinguish between population distribution and population density. (1mk)  
 ii) What is dependency ratio? (1mk)  
 b) State three reasons for reduced fertility rate in Kenya. (3mks)
4. a) i) Name two dairy cattle breeds reared in Kenya. (2mks)  
 b) State three differences between beef farming in Argentina and Kenya. (3mks)
5. a) Give two advantages of wood as a source of fuel. (2mks)  
 b) State three conditions necessary for the formation of Oil. (3mks)

## SECTION B

6. Study the table below that shows Kenya's visible balance of Trade with some selected countries. 1982-1984 (figures in pounds '000).

County	1982		1983		1984	
	Exports	Imports	Exports	Imports	Exports	Imports
<b>UK</b>	72,000	135,000	96,000	120,000	140,000	152,000
<b>Germany</b>	60,500	75,5000	82,000	70,000	98,000	98,000
<b>USSR</b>	4,500	150	3,000	100	4,000	300
<b>U.S.A</b>	35,000	54,000	40,000	56,000	38,000	50,000
<b>Uganda</b>	58,000	1,300	7,2000	800	67,000	100,000

- a) i) Draw a comparative line graph showing the exports from 1982 to 1984 using a vertical scale of 1:10 million and horizontal scale. (8mks)  
 ii) State three disadvantages of this graph experienced during the construction. (3mks)  
 b) i) Define balance of trade. (2mks)  
 ii) Calculate the balance of trade for Kenya 1984. (2mks)  
 c. i) Name two major exports and two major imports of Kenya. (4mks)  
 ii) Give three reasons for the nature of Kenya's balance of trade from the table above. 3mks  
 e) State three measures the government has taken to achieve a favorable balance of trade.

- 7.a.i)** Name two provinces in Canada where wheat is grown. (2mks)
- ii)** Explain four physical factors favoring wheat growing in Kenya. (8mks)
- b)** Compare wheat farming in Kenya and Canada under the following headings:
- cultivation (2mks)
  - harvesting (2mks)
  - marketing (2mks)
- c. i)** Explain three human and economic problems facing wheat farming in Canada. (6mks)
- ii)** State three importance of wheat farming in Canada. (3mks)
- 
- 8.a.i)** Name two countries found in the north West pacific fishing ground. (2mks)
- ii)** Explain four physical factors that favour fishing in the above fishing ground. (8mks)
- b)** Describe the following methods of fishing:
- i)** drifting (4mks)
  - ii)** purse seine (4mks)
- c)** Compare fishing in Kenya and Japan under the following sub-headings:
- Fishing ground (2mks)
  - Climate (2mks)
- d)** State 3 significance of fishing to the economy of Kenya. (3mks)



# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 2 PAPER 1

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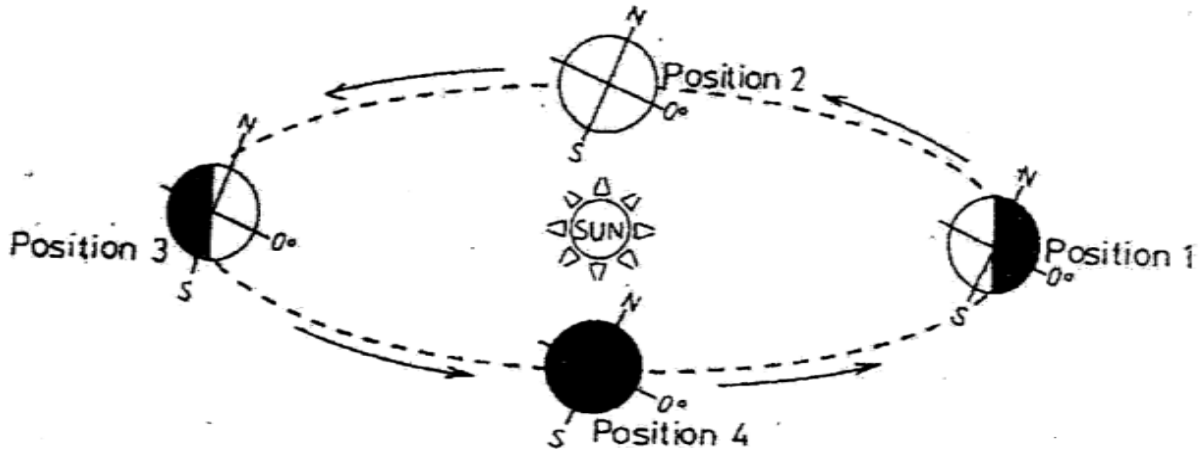
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## SECTION A

### Answer All the Questions in This Section

1) Study the diagram below and then answer the following questions



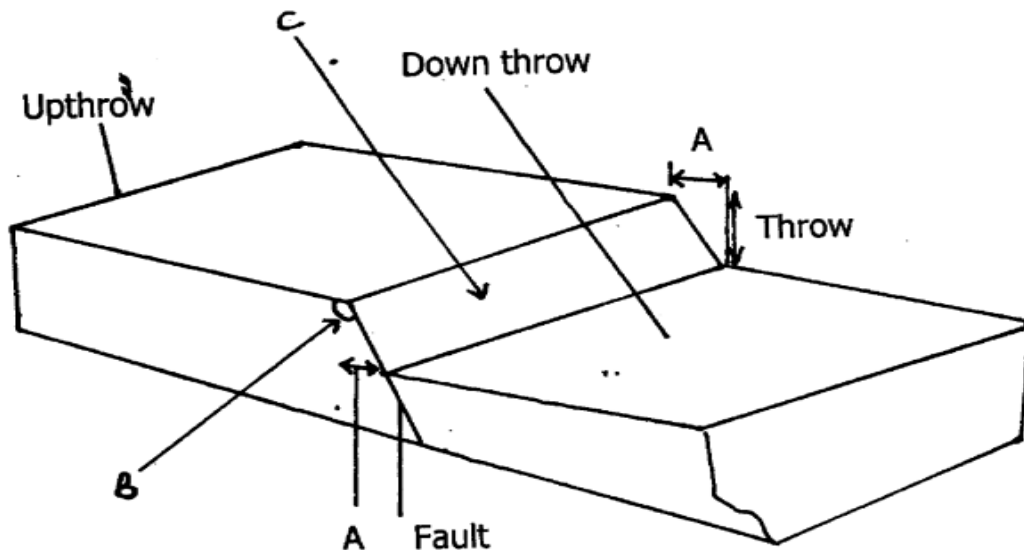
- (a). How long (in days ) does it take the earth to move from position 2 to position 1 during a leap year? (2mks)
- (b). State three effects of the movement of the earth represented above (3mks)
- 2) (a). Define the term microclimates (2mks)
- (b). Identify three characteristics of convectional rainfall (3mks)
- 3) Describe two process through which wind erode desert landscape (6mks)
- 4) (a). What is natural vegetation? (2mks)
- (b). State three characteristics of Mediterranean type of vegetation (3mks)
- 5) (a). What is contact metamorphism? (2mks)
- (b). Identify the resultant metamorphic rocks when the following rocks are metamorphosed.
- a. Granite (1mk)
- b. Limestone (1mk)

## SECTION B

- 6) Use the map of Migwani(1:50,000) provided to answer the following questions
- (a). i) What is the length of the dry weather road from grid square 9278 to the end in grid square 0083. Give your answer in kilometers (2mks)
- (ii) Calculate the area enclosed by all weather road loose surface and the dry weather road From grid square **9278** to **0083** in the Northwest part of the area covered by the map. Give your answer in km<sup>2</sup> (3mks)

- (b). (i) Give the appropriate height of Kyoom Hill. (2mks)  
 (ii). Describe the relief of the area covered by the map (4mks)  
 (c). Citing evidence from the map, Identify four social services offered in Migwani town (4mks)  
 (d). (i) Enlarge the area enclosed by Eastings 08 and 11 and Northings 63 and 66 twice (2mks)  
 (ii) On the enlarged map mark and name  
 a. -Water pipeline  
 b. -Dry weather roads  
 c. -Water tank  
 (e). Form four students from *Nyakebako Secondary School* conducted a field study in Mutito forest. Explain two problems that the students faced while conducting the study that might have led to collection of unreliable data. (4mks)

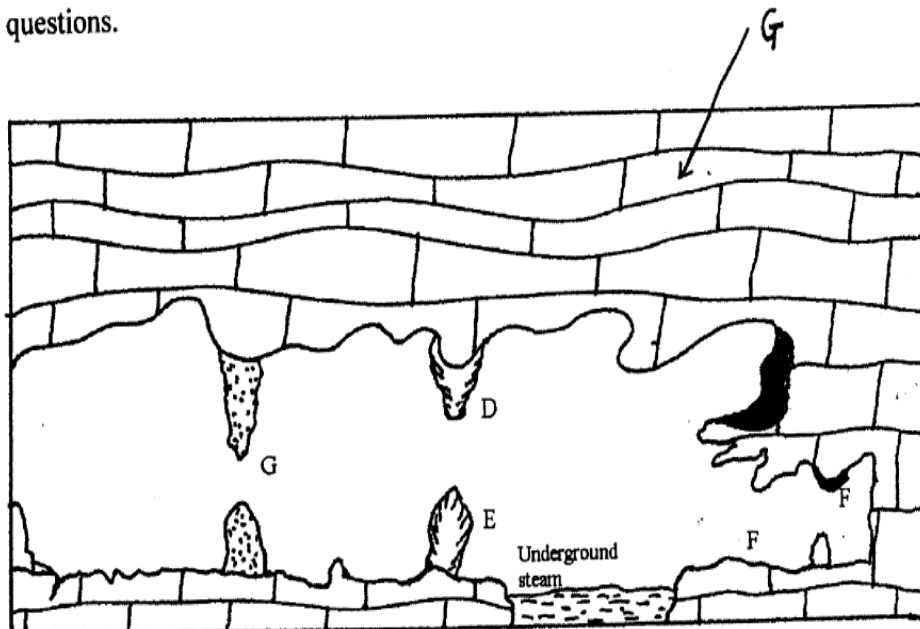
- 7) (a). (i). Differentiate between orogenesis and orogeny (2mks)  
 (ii). Name two Fold Mountains of the alpine orogeny (2mks)  
 (b). The following diagram represents a faulted landscape. Use it to answer the following questions.



- a. Name the parts marked A,B and C (3mks)  
 b. Using well labeled diagrams ,Describe how a rift valley is formed through anticlinal arching (7mks)  
 (c). State three effects of faulting on drainage (3mks)  
 (d). Explain the effects of Fold Mountains to human activities (8mks)

- 8) (a) (i). Differentiate between weathering and mass wasting (2mks)  
 (ii). Identify three agents of weathering (3mks)  
 (b). Describe how the following processes of weathering occur  
 (i). Pressure release or unloading (4mks)  
 (ii). Carbonation (3mks)  
 (c). Explain the significance of weathering to human activities (8mks)  
 (d). Form four students from Danish Obara Secondary School conducted a field study on weathering around their school  
 (i). State three preparation they made before the field study (3mks)  
 (ii). Write down two hypotheses they formulated to guide the study (2mks)
- 9) (a). Distinguish between catchment area and a drainage basin (2mks)  
 (b) . (i). Describe two processes through which a river transport its load (6mks)  
 (ii). State four factors which influence the ability of a river to transport its load(4mks)  
 (c). Using a well labeled diagram, explain how an ox-bow lake is formed (7mks)  
 (d). (i). What is the difference between drainage pattern and drainage system? (2mks)  
 (ii). State five importance of rivers to human activities (5mks)
- 10) (a). (i). Differentiate between an aquifer and an aquifuge (2mks)  
 (ii). Name three sources of underground water (3mks)  
 (b). State four conditions necessary for the formation of artesian wells (4mks)  
 (c). (i). Name four surface features formed in areas dominated by limestone (3mks)  
 (ii). The diagram below represents underground features formed in a karsts landscape  
 Use it to answer the following questions

the following questions.



- (i). Name the features marked D,E and G (3mks)  
 (ii). Describe how a limestone pillar is formed (3mks)  
 (d). Explain three effects of karst scenery to human activities (6mks)

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 1 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

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##### SECTION B

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MARKS						

**TOTAL**

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## SECTION A

### Answer All the Questions in This Section

- 1) (a). What is water pollution ? (2mks)  
(b) state three sources of pollution along the East African Coastal waters (3mks)
- 2) (a) Differentiate between *biomass* and *biogas* forms of energy (2mks)  
(b). Give three reasons why the two sources in 2 (a) above should be developed (3mks)
- 3) (a). Name two counties in Rift Valley where Dairy farming is practiced in Kenya (2mks)  
(b) State four problems facing dairy farmers in Kenya (4mks)
- 4) State three physical factors that favor the growth of cocoa in Ghana (3mks)  
(b) Name two countries which imports cocoa from Ghana as a raw material (2mks)
- 5) (a) Define international trade (1mk)  
(b) Give three reasons why Kenya's trade is mainly in raw form rather than finished products (3mks)

## SECTION B (75 MARKS)

### Answer questions 6 compulsory and any other two questions from this section

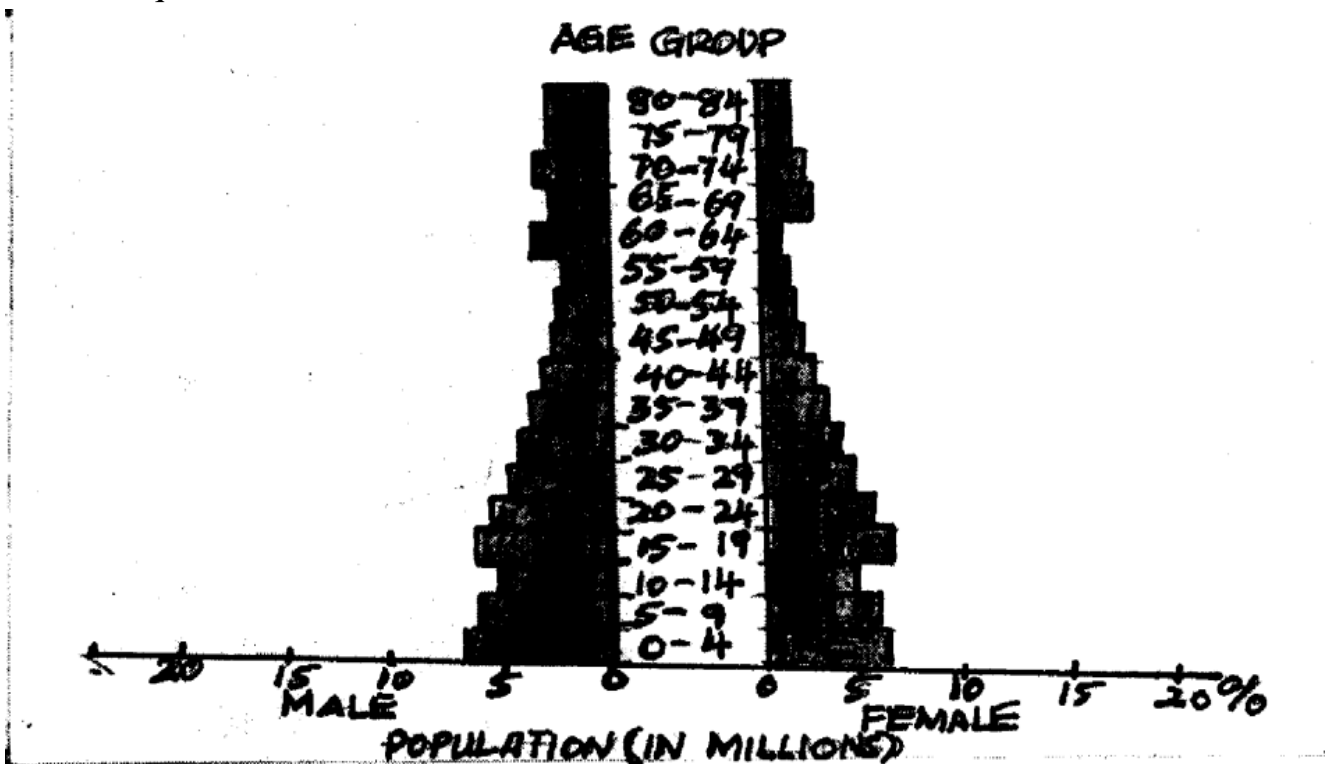
- 6) The table below shows horticultural crops exported by Kenya in the year 2010 to European Union. Study it and answer the questions that follow

CROP	QUANTITY IN TONNES
Flowers	42,500
Oranges	28,700
Tomatoes	21,600
Carrots	15,400

- (a) Draw a divided rectangle 15 cm long by 6 cm wide to represent horticultural crop production in Kenya in year 2010 using the data above (show your workings/calculations) (8mks)
- (b). Calculate the range of the above data (1mk)
- (c). Apart from divided rectangles, Name two other appropriate ways of representing the above data (2mks)
- (d). Name two deciduous fruits exported by Kenya to European Union market (2mks)
- (e) Explain two physical conditions favoring the development of horticultural industry in Naivasha (4mks)
- (f). Explain how the Kenya Government is addressing problems facing horticultural farmers (8mks)

- 7) (a). i). What is agro forestry? (1mk)  
 ii). Explain four reasons why agro forestry is being encouraged In Kenya (8mks)  
 (b). Give three examples of softwood trees found in Kenya (2mks)  
 (c). Explain four characteristics of softwood forests in Canada (8mks)  
 (d). State problems affecting forestry in Canada (5mks)

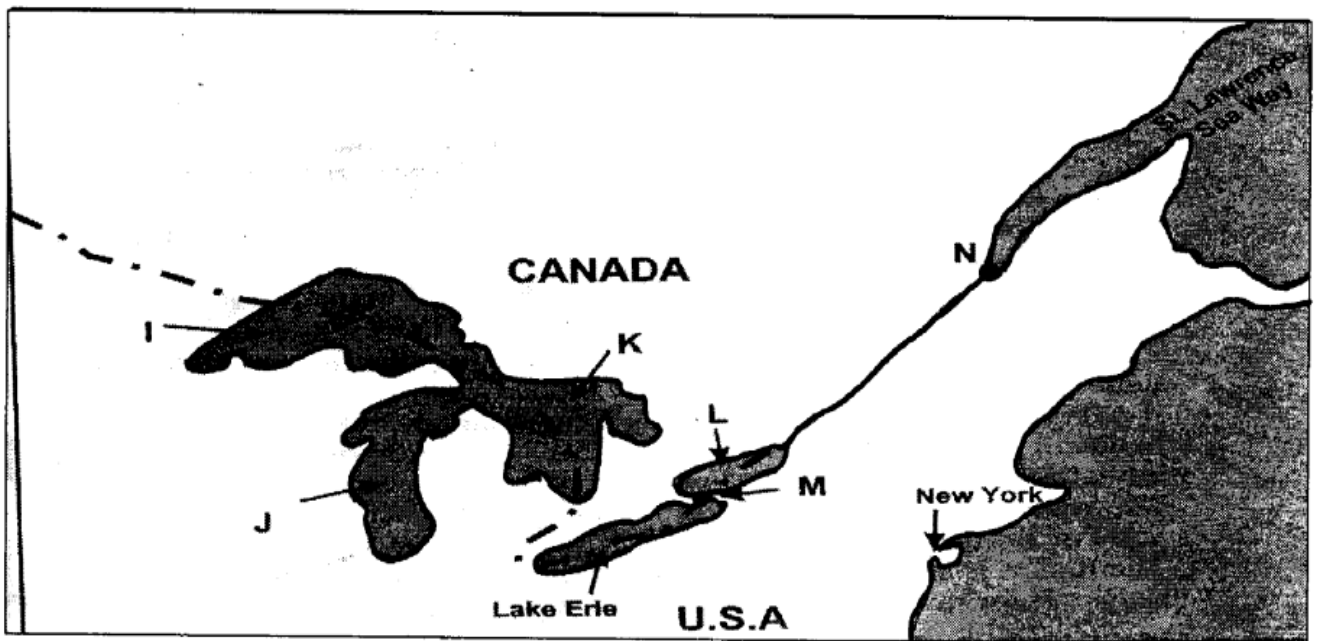
- 8) (a) i) Define Age-structure (2mks)  
 ii). What was the population growth rate in Kenya in 1999,if the crude birth rate was 52 per 1,000 of the population and the crude death rate was 14 per 1,000 of population? (2mks)  
 iii). State three reasons why it is necessary to carry out population census (3mks)  
 (b). Account for the high population density in the Kenyan highlands (2mks)  
 (c) The pyramid below represents the population structure of Country X. Use it to answer questions that follow.



- Describe the characteristics of the population represented by the pyramid (5mks)  
 Other than migration, explain three factors influencing population growth and structure (6mks)  
 State two positive effects of population growth and structure (2mks)  
 Give three problems that could arise from overpopulation (3mks)

- 9) (a). Explain how the following factors influence mining (3mks)  
 i). Capital  
 ii) Value of mineral (3mks)  
 (b). Name four methods of underground mining (4mks)  
 (c) Explain five factors which influence occurrence of minerals. 10mks  
 (d). Explain how gold is processed to its finest form (5mks)

10) Study the map of the Great Lakes and the St.Lawrence Seaway below and answer the question that follow



- (a) Name  
 i). The port marked N (1mk)  
 ii) The waterfall marked M (1mk)  
 iii). The lake marked I, J, K and L (4mks)  
 (b) Explain five ways in which the great lakes and St.Lawrence Seaway has contributed to the economy of U.S.A and Canada 10mks  
 (c). i). State three recent developments that have taken place in Kenya to improve communication (3mks)  
 ii). Explain three problems facing telephone as a means of communication in Kenya 6mks



# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 3 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

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MARKS						

##### SECTION B

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MARKS						

**TOTAL**

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## SECTION A

### Answer All the Questions in This Section

1.(a) What is the relationship between Geography and Physics. (2 marks)

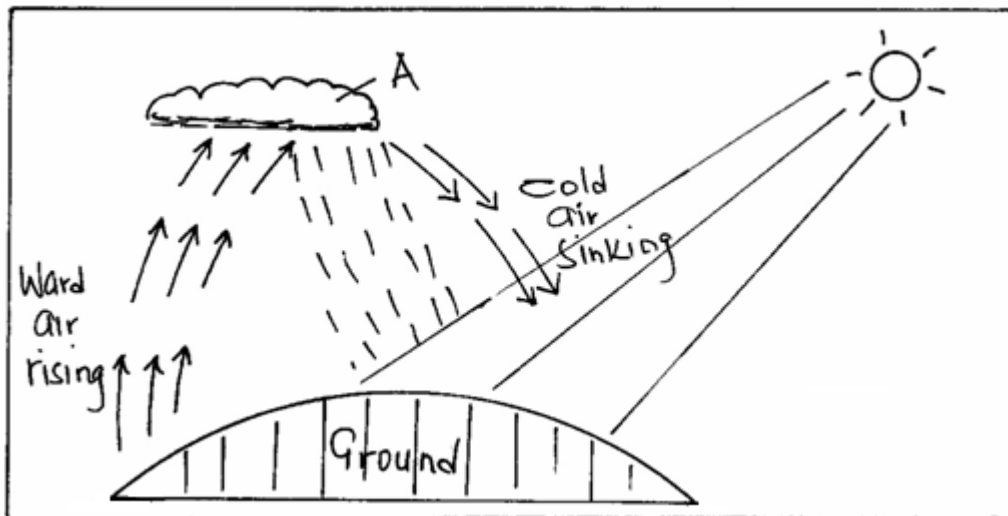
Name the three main layer at the atmosphere from the earths surface upwards. (3 marks)

2.(a) Name three types of coral reefs. (3 marks)

(b) What are the benefits of coral reefs in the areas they have developed? (2 marks)

3. The diagram below show the formation of some type of rainfall.

Use it to answer question (a) and (b).



(a) (i) Name the type of rainfall shown by this diagram. (1 mark)

(ii) Name the type of cloud marked (A). (1 mark)

List three weather conditions associated with the above name (a) type of rainfall.

(3 marks)

4.(a)(i) State the plate tectonic theory. (1 mark)

(ii) State one feature formed when:

(i)Tectonic plates move towards each other. (1 mark)

(ii)The plates move away from each other at the boundary. (1 mark)

(b) State three effect of climate change. (3 marks)

5.(a) What is a lake? (2 marks)

(b) Identify two reasons why most lakes within the Rift Valley are salty? (2 marks)

**SECTION B: (75 MARKS)**

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

6. Study the map of Migwani 1:50000, (Sheet 151/1) provided and answer the following questions.

(a) Citing evidence from the map, name three hydrographic features. (3 marks)

Draw a rectangle measuring 10cm by 8cm to represent the area enclosed by Easting 90 and 00, and Northings 62 and 70. (1 mark)

On the rectangle, mark and name the following features.

(i) Musenyo School. (1 mark)

(ii) Road E742. (1 mark)

(iii) Kitui Hills. (1 mark)

(c)(i) Describe the relief of the area covered by the map. (4 marks)

Citing evidence from the map, state three social services offered at Mutito trading centre. (3 marks)

(d) Students of a school at Itoloni carried a field study at Gwani town.

(i) Name two types of road they used to travel to Gwani. (2 marks)

(ii) Name one man-made feature they found on the way to Gwani. (1 mark)

(iii) State three functions at Gwani town they identified. (3 marks)

(e) Describe five characteristics of the long profile of river Ikoo. (5 marks)

7.(a)(i) Differentiate between rocks and minerals. (2 marks)

(ii) Give three ways in which rocks can be classified. (3 marks)

(b)(i) Name one example at each of the following types of sedimentary rocks.

- Chlorides. (1 mark)

- Arenaceous. (1 mark)

- Carbonaceous. (1 mark)

Describe how sedimentary rocks are formed through physical processes. (4 marks)

(c)(i) State three changes that occur in rocks during metamorphism. (3 marks)

Give two reasons why sedimentary rocks are dominant along the Kenyan Coasts. (2 marks)

(d) Students from Buma School carried a field study on rocks in their county.

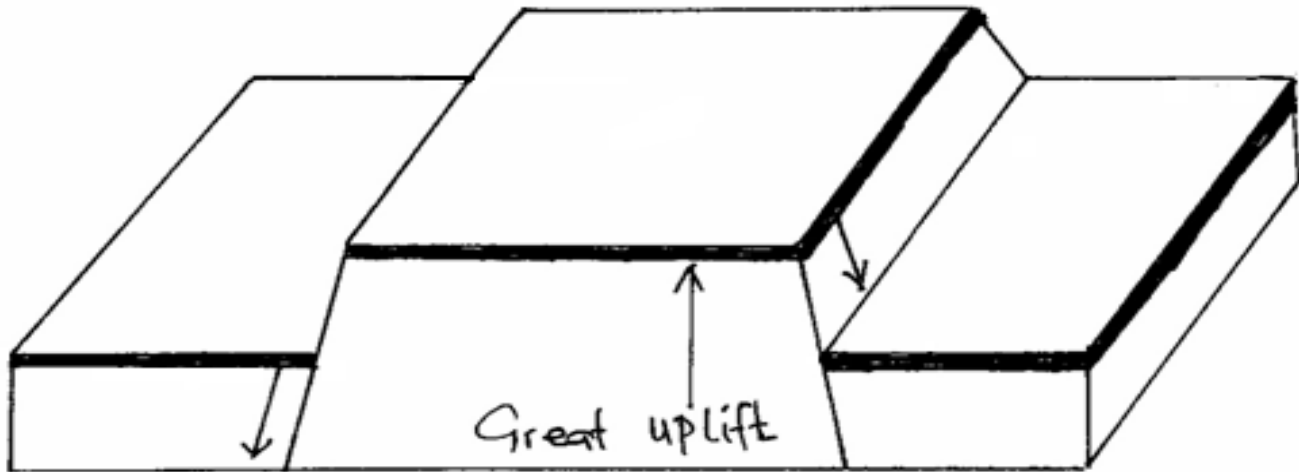
State three reasons why it would be necessary for them to conduct a reconnaissance to the study area. (3 marks)

(ii) Give two methods they used to record data. (2 marks)

(iii) State three importance of rocks they identified. (3 marks)

**8.(a)** In aid of a well labelled diagrams describe the formation of the rift valley by tension. **(8 marks)**

The diagram below represents a feature formed by faulting.  
Use it to answer the question that follow.



- (i)** Name the feature represented by the above diagram. **(1 mark)**
- (ii)** Describe the formation of the above mentioned feature. **(5 marks)**

You are supposed to carry out a field study in an area affected by faulting.  
Apart from the Rift Valley name three other features that you are likely to identify.

- (ii)** State two methods you will use to collect data. **(2 marks)**
- (iii)** Explain three economic benefits of faulting they are likely to identify. **(6 marks)**

- 9.(a)**
- (i)** What is a desert? **(2 marks)**
  - (ii)** Name two types of deserts landscapes. **(2 marks)**

Describe how wind transport materials on the desert surface using the following processes.

- (i)** Surface creep. **(2 marks)**
- (ii)** Saltation. **(2 marks)**
- (c)** Using well labelled diagram(s) explain how Barchan is formed. **(8 marks)**
- (d)** You intend to carry out a field study in an arid area near your school.
  - (i)** State two reasons for carrying out a pre-visit. **(2 marks)**

Apart from Brarchan state three depositional features they are likely to have identified. **(3 marks)**

State four positive effects of deserts features to man that you are likely to identify. **(4 marks)**

- 10.(a) (i)** Define term soil conservation. **(2 marks)**
- (ii)** State two methods that assist in soil conservation. **(2 marks)**
- (b)** Explain how the following factors influence the soil formation.
- (i)** Climate. **(3 marks)**
- (ii)** Topography. **(3 marks)**
- (c)(i)** Describe how laterisation occurs. **(4 marks)**
- (ii)** State two ways in which humus improves the quality of soil. **(2 marks)**
- (iii)** State four characteristics of desert soils. **(4 marks)**
- (d)(i)** Describe how gulley erosion occurs. **(3 marks)**
- (ii)** State two economic uses soils. **(2 marks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 3 PAPER 2

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- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

#### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

#### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

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**SECTION A****Answer All the Questions in This Section**

- 1.(a) Define the term transhumance. (2 marks)
- (b) State three characteristics of nomadic pastoralism. (3 marks)
2. State five factors which influence nucleated settlement pattern. (5 marks)
- 3.(a) What is a cottage industry? (2 marks)
- Give three reasons why the government of Kenya encourages the establishment of Jua Kali Industries. (3 marks)
- 4.(a) What is air pollution? (2 marks)
- (b) State three negative effects of uncollected garbage on the environment.(3 marks)
- 5.(a) Name two main reclamation projects in the Netherlands. (2 marks)
- (b)State three reasons for reclaiming swamps in Kenya. (3 marks)

**SECTION B: (75 MARKS)****Answer question 6 and any other two questions from this section.**

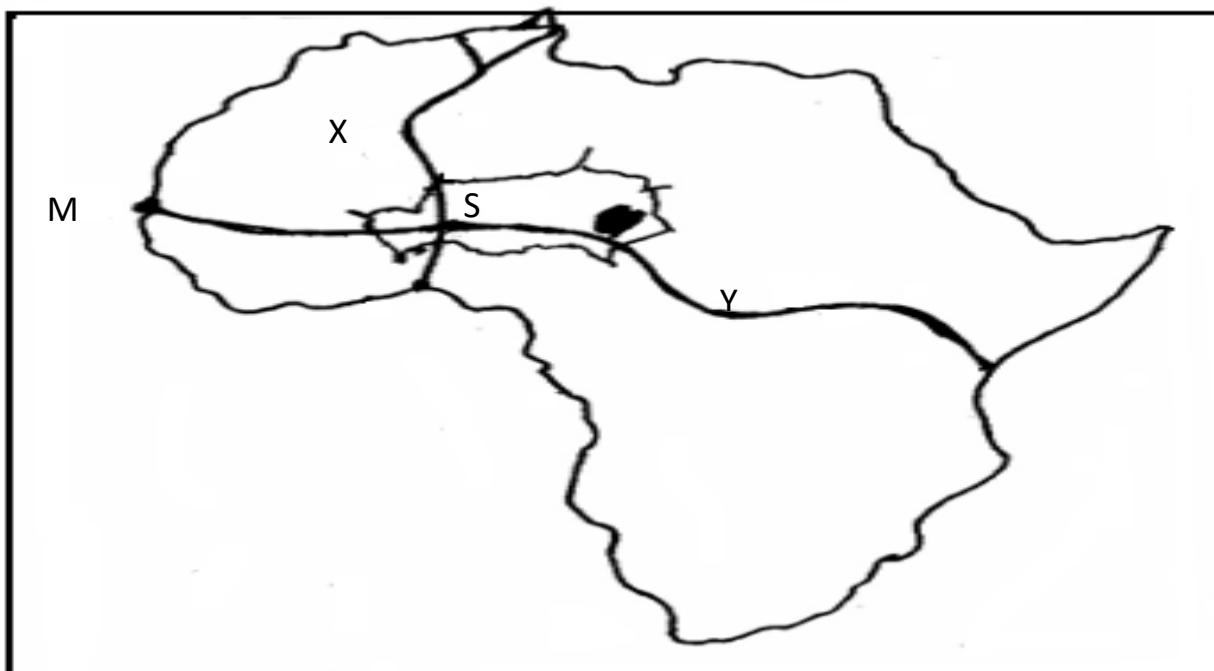
6.The table below gives the figures for the 2009 population census per county for the central region of Kenya.

COUNTY	POPULATION
Kiambu	1623282
Murang'a	942581
Nyeri	693558
Nyandarua	596268
Kirinyaga	528054

- (a)(i) Besides bar graphs, name three other methods that can be used to represent the above data. (3 marks)
- Draw a simple bar graph to represent the data in the table above.  
Use a scale of 1cm to represent 200,000 persons. (6 marks)
- (iii) State four advantages of using bar graphs to represent statistical data. (4 marks)
- Calculate the population density for Kiambu County, given that its area is 2543.4 square kilometers. (2 marks)
- (c) Give two reasons why census is necessary. (2 marks)
- (d) Explain four reasons for the high population density in Kiambu County. (8 marks)

- 7.(a)(i)** What is re-afforestation? **(2 marks)**  
 State four reasons why afforestation should be encouraged in Kenya. **(4 marks)**
- (b)(i)**Name two main exotic softwood trees grown in Kenya. **(2 marks)**  
**(ii)**State five characteristics of softwood forests in Canada. **(5 marks)**
- Explain three problems which hinder the Kenya government’s effort to manage and conserve her forests. **(6 marks)**
- (d)** Compare forestry in Kenya and Canada under the following headings:-  
 (i)Transportation of the logs. **(2 marks)**  
 (ii)Felling of trees. **(2 marks)**  
 (iii)Tree species. **(2 marks)**

- 8.(a)(i)**What is sedentary farming? **(2 marks)**  
**(ii)** Name three main types of agriculture. **(3 marks)**
- (b)(i)** Name four horticulture farms in Kenya. **(4 marks)**  
**(ii)**State five reasons for growing flowers under green houses. **(5 marks)**
- (c)** Name three vegetable horticultural crops grown in Kenya. **(3 marks)**
- Explain four reasons why horticulture farming is more developed in the Netherlands than in Kenya. **(8 marks)**
- 9.(a)(i)**Name three modes of transport in Kenya. **(3 marks)**  
**(ii)**State four problems facing communication in Kenya. **(4 marks)**
- (b)**Explain four advantages of rail transport over road transport. **(8 marks)**
- (c)**Use the map of Africa below to answer the following questions.





- (i) Name the highways marked X and Y. (2 marks)
- (ii) Name the port marked M. (1 mark)
- (iii) Name the country marked S. (1 mark)
- (d)(i) Give two reasons why it is difficult to transport goods from Mombasa to Lagos by road. (2 marks)
- State four efforts that have been made to improve transport in Africa. (4 marks)

- 10.(a) (i)** Define international trade. (2 marks)
- (ii) Name three major imports from Europe to Kenya. (3 marks)
- (b) States four factors that influence external trade in Kenya. (4 marks)

Explain four ways through which Kenya will benefit from renewed East African Co-operation. (8 marks)

(d) Explain four negative effects of international trade. (8 marks)

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 4 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

##### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

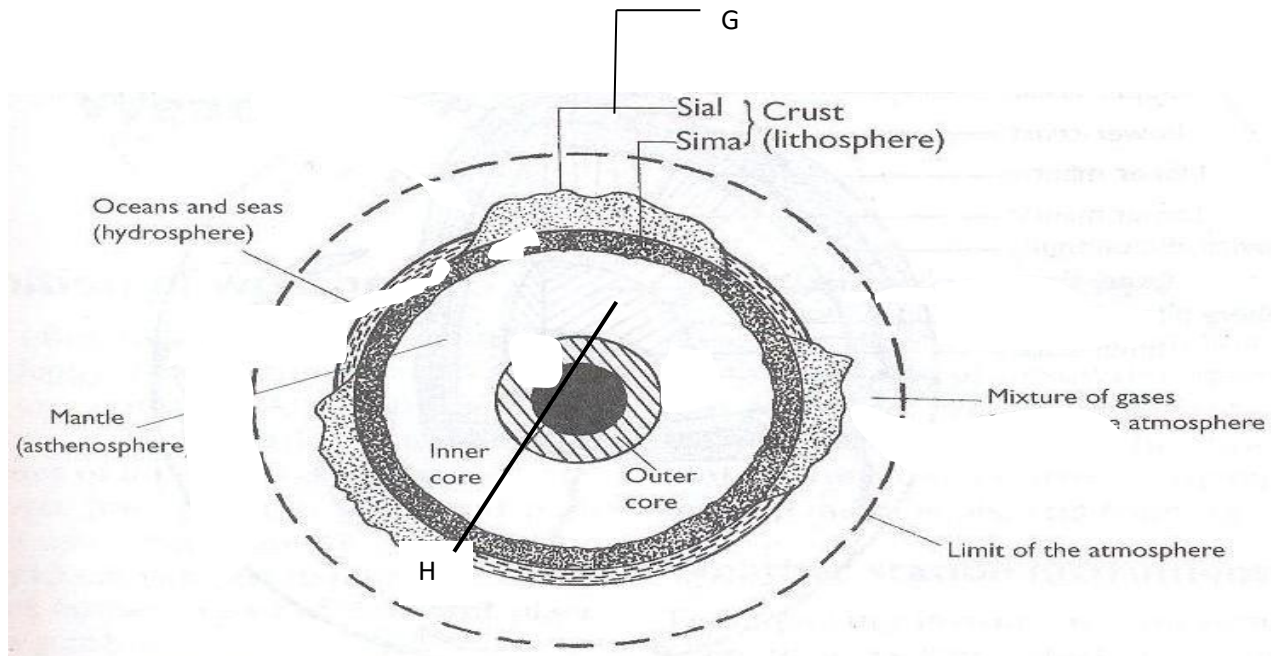
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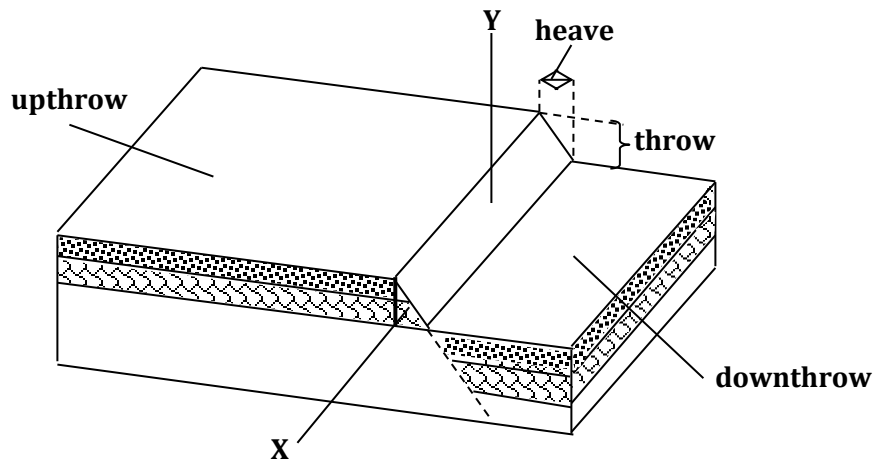
## SECTION A

### Answer All the Questions in This Section

1. (a) What is the relationship between Geography and Chemistry? (2 marks)  
 (b) The diagram below shows the internal structure of the earth.



- (i) Name the parts marked G and H. (2 marks)  
 (ii) Name the dominant mineral in the mantle. (1 mark)
2. (a) Differentiate between absolute and relative humidity. (2 marks)  
 (b) State the significance of humidity in the atmosphere. (3 marks)
3. The diagram below shows some features formed by faulting. (2 marks)



- (a) Name the parts marked X and Y. (2 marks)  
 (b) State *three* effects of faulting on drainage of an area. (3 marks)
4. (a) Identify *two* scales used to measure the intensity of an earthquake. (2 marks)  
 (b) Give *three* major earthquake zones of the world. (3 marks)
5. (a) State *two* ways in which plants cause weathering. (2 marks)  
 (b) Describe the process of weathering through oxidation. (3 marks)

**SECTION B**

**Answer question 6 and any other TWO questions from this section.**

6. Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions.

- (a) (i) What is the altitude of the lowest contour shown on the map? **(1 mark)**  
(ii) Give the six-figure grid reference of Mboni dam. **(2 marks)**  
(iii) What is the length in Kilometres of the All Weather Road Bound Surface C94 from the junction with the Dry Weather Road D502 to Northing 84? **(2 marks)**
- (b) Draw a rectangle measuring 10 cm by 8 cm to represent the area enclosed by Eastings 90 and 00 and Northings 62 and 70. **(1 mark)**  
On the rectangle, mark and name the following features: **(3 marks)**  
(i) Musengo school  
(ii) Road E742  
(iii) Kitui Hills
- (c) (i) Citing evidence from the map, identify *four* social services offered in Mutitu (Ndooa) township. **(4 marks)**  
(ii) Describe the relief of the area covered by the map. **(6 marks)**
- (d) Describe the characteristics of the long profile of river Ikoo. **(6 marks)**

7.(a)(i) Describe the following characteristics of minerals:

Texture **(1 mark)**

Tenacity **(1 mark)**

(ii) Describe how extrusive igneous rocks are formed. **(4 marks)**

(b) For each of the following rocks, name the resultant rock that forms after metamorphism.

(i) Sandstone **(1 mark)**

(ii) Limestone **(1 mark)**

(iii) Granite **(1 mark)**

(c) Explain *three* economic significance of rocks in Kenya. **(3 marks)**

(d) Students carried out a field study on rocks around their school.

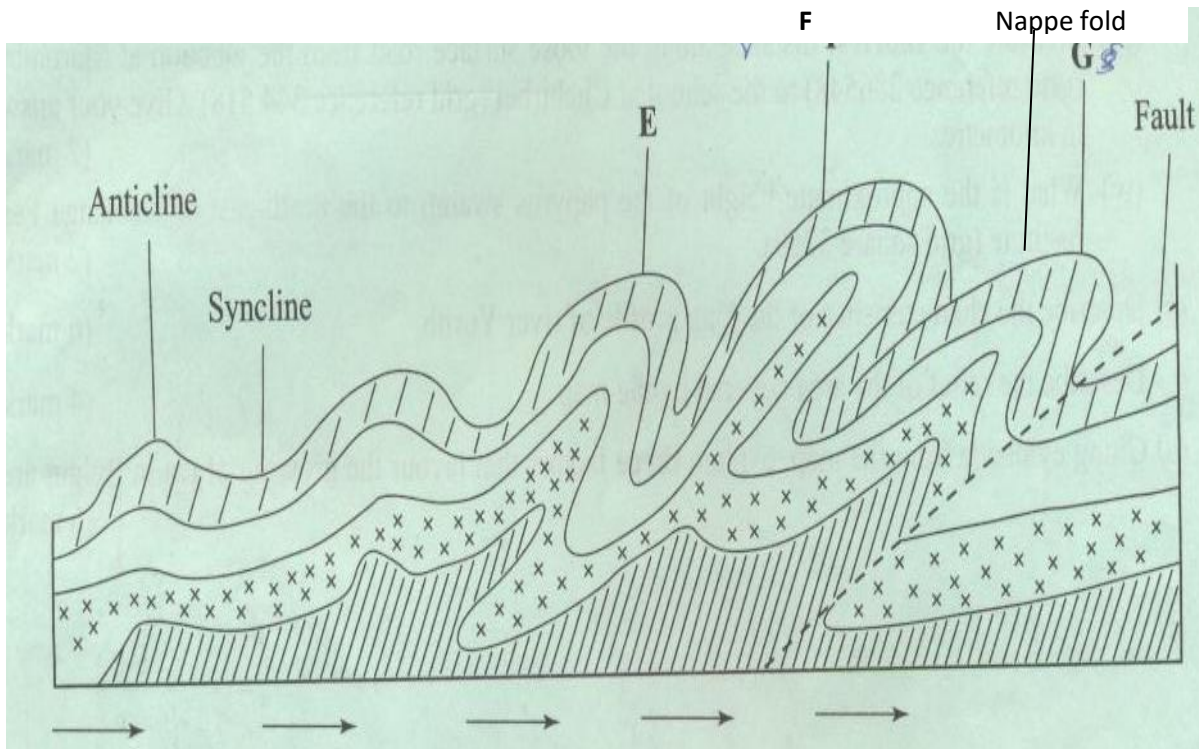
(i) State *two* importance of stating the objectives for their study. **(2 marks)**

(ii) Give *three* reasons why they prepared a route map of the study area. **(3 marks)**

(iii) Give *three* activities that the students were involved in during the field study.

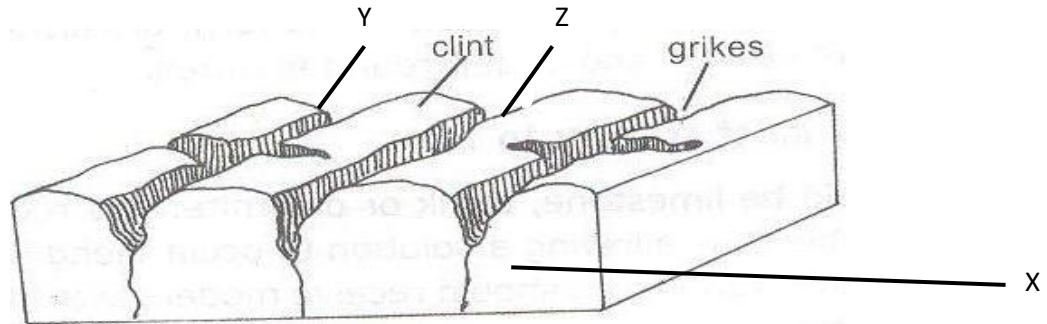
**(3 marks)**

- 8.(a)(i) What is an orogeny? (2 marks)
- (ii) Give *two* factors that influence the folding process of rocks. (2 marks)
- (b)The diagram below shows some types of folds. Use it to answer the question (i) and (ii).



- (i) Name the types of folds marked E and F. (2 marks)
- (ii) Describe how an overthrust fold is formed. (4 marks)
- (c) Name the countries in which the following fold mountains are found.
- (i)Atlas (1 mark)
- (ii)Alps (1 mark)
- (iii)Himalayas (1 mark)
- (iv)Andes (1 mark)
- (d)(i)Apart from fold mountains, name *three* other features resulting from folding. (3 marks)
- (ii) Explain *four* ways in which fold mountains influence climate. (8 marks)
- 9(a)(i)Differentiate between a marine delta and a Lacustrine delta. (2 marks)
- (ii) Explain *three* conditions necessary for the formation of a delta. (6 marks)
- (iii) State *three* significance of deltas to man. (3 marks)
- (b)(i)What is a braided channel? (2 marks)
- (ii)State *four* conditions necessary for the formation of a braided channel. (4 marks)
- (c)With the aid of well labelled diagrams, describe how an ox-bow lake is formed. (8 marks)

- 10.(a) What is Karst scenery? **(2 marks)**
- (b) State *four* factors which influence the development of a karst landforms. **(4 marks)**
- (c) The diagram below shows a feature in a Karst landscape. Use it to answer question (i) and (ii).



- (i) Name the parts marked X, Y and Z. **(3 marks)**
- (ii) Describe how the features marked Y and Z are formed. **(5 marks)**
- (d) (i) Define a lake. **(2 marks)**
- (ii) Name *two* types of lakes which are formed by volcanic activity. **(2 marks)**
- (iii) State *three* reasons why some lakes are salty. **(3 marks)**
- (iv) Explain *four* ways in which lakes are of significance to human activities. **(4 marks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 4 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

#### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

#### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

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## SECTION A

### Answer All the Questions in This Section

- 1.a) State two ways in which minerals occur (2 marks)  
 b) Describe panning as a method of mining (3 marks)
- 2.a) Differentiate between a Forest and forestry (2 marks)  
 b) Give three characteristics of Tropical hard-wood forest (3 marks)
- 3.a) Name two main rivers which supply water to Mwea-Tebere irrigation scheme (2 mks)  
 b) State three environmental problems faced by farmers in Mwea-Tebere irrigation scheme (3 marks)
- 4.a) Give two methods used to rehabilitate land in Kenya (2 marks)  
 b) State three benefits of Perkerra Irrigation scheme (3 marks)
- 5.a) What is a game sanctuary (2 marks)  
 b) State three reasons for encouraging domestic tourism in Kenya (3 marks)

## SECTION B:

### Answer question 6 and any other TWO questions from this section

6. Study the photograph below and use it to answer question (a)

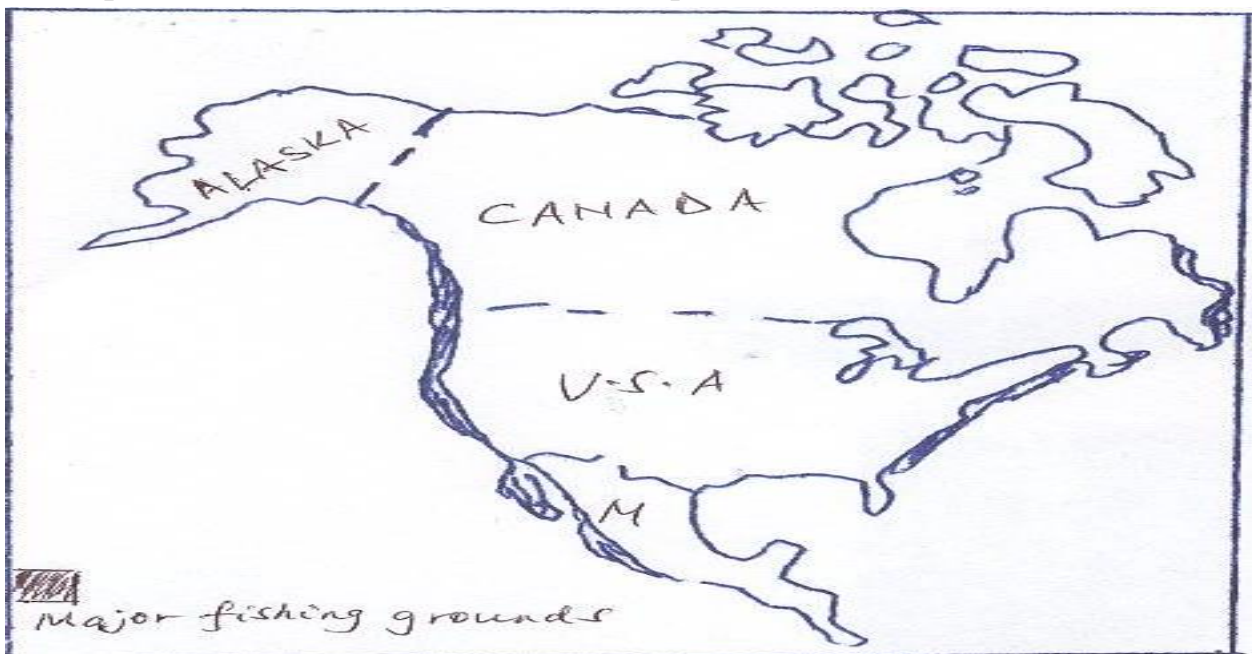


- (i) Name the type of photograph shown above (1 mark)
- (ii) What time of the day was the photograph taken if the camera was held facing South? (1 mark)
- iii) Draw a rectangle measuring 16cm by 9cm to represent the area of the photograph. On it sketch and label the main features shown on the photograph (5 marks)



- iv) Describe the landscape of the area represented by the photograph. **(3 marks)**
- (i) Identify two counties in the Rift Valley where ranching is practiced. **(2 marks)**
- (ii) Name one exotic breed of beef cattle reared in Kenya **(1 mark)**  
 State four physical factors which favour beef farming in Argentina **(4 marks)**  
 Explain four benefits of beef farming to the economy of Argentina **(8 marks)**
  
- 7.a) Define agro-forestry **(2 marks)**
- b) State three benefits of agro-forestry **(3 marks)**
- c)i) Explain how the following factors have influenced distribution of natural forests in Kenya; Aspect **(2 marks)**  
 Soils **(2 marks)**
- ii) Explain four ways of managing forests in Kenya **(8 marks)**
- d) Compare softwood forestry in Kenya and Canada under the following sub-headings  
 Transportation **(2 marks)**  
 Harvesting **(2 marks)**  
 Climate **(2 marks)**  
 Distribution **(2 marks)**
  
- 8.a) What is mixed farming? **(2 mark)**
- b) State three economic factors influencing agriculture **(3 marks)**
- c)i) Give four physical factors influencing coffee growing in Kenya **(4 marks)**
- ii) Describe coffee productions in Kenya from harvesting to marketing **(8 marks)**
- iii) Give three differences between coffee farming in Kenya and Brazil **(6 marks)**
- d) You intend to carry out a field study on coffee growing in a farm near your school. State two disadvantages of using secondary data during data collection **(2 marks)**

9. Use the map of North America below to answer questions (a) and (b)



Name \_\_\_\_\_

The fishing ground shaded **(1 mark)**

The ocean current marked (b) **(1 mark)**

Explain four physical conditions necessary for fishing in the fishing ground shaded. **(8 marks)**

Describe trawling method of fishing **(6 marks)**

**d)i)** Explain three ways in which overfishing can be controlled in Lake Naivasha **(6 marks)**

**ii)** State three significance of fish farming **(3 marks)**

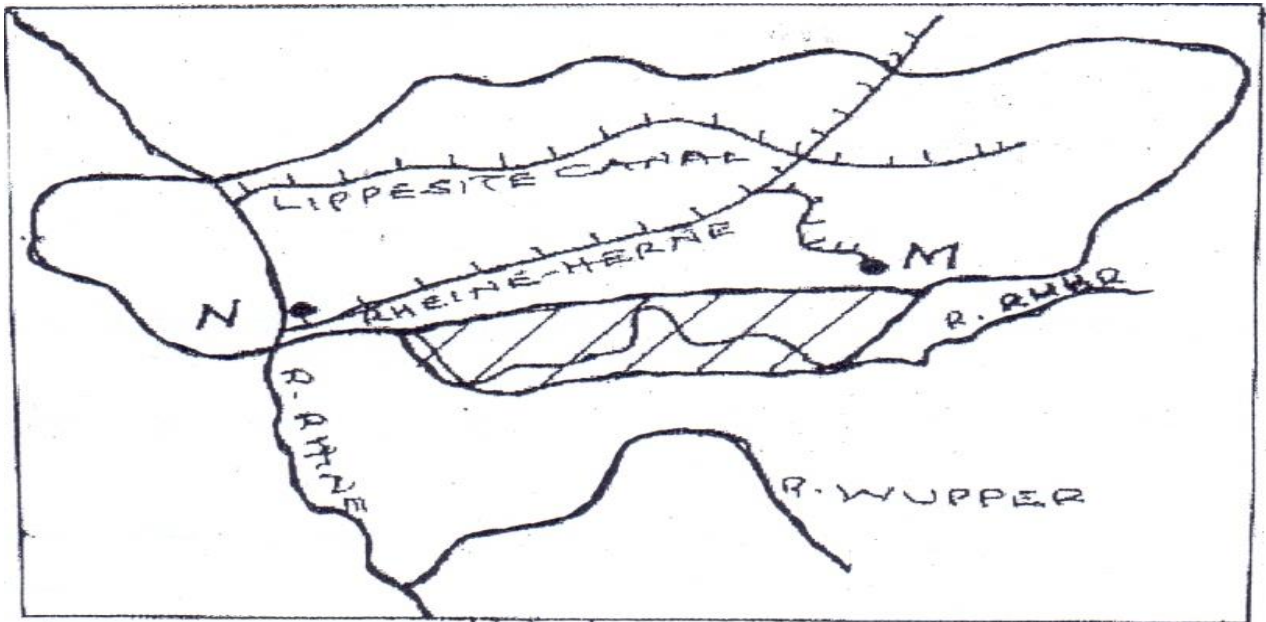
**10.a)i)** Apart from coal, name three other non-renewable sources of energy **(3 marks)**

**ii)** State four reasons why there has been a decline in the use of coal as a source of energy **(4 marks)**

**iii)** Give three advantages of using wind energy **(3 marks)**

**b)** Name two examples of agricultural non-food processing industries in Kenya **(2 marks)**

**c)** Below is a sketch map of the Ruhr Industrial Region. Use it to answer question (i)



Name: \_\_\_\_\_

The canal market U **(1 mark)**

The river marked V **(1 mark)**

The town marked W **(1 mark)**

Explain three factors which led to the growth of iron and steel industry in the Ruhr region of Germany **(6 marks)**

Explain two environmental problems which have resulted from the development of car manufacturing industry in Japan **(4 marks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 5 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

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#### FOR EXAMINERS USE ONLY

#### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

#### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

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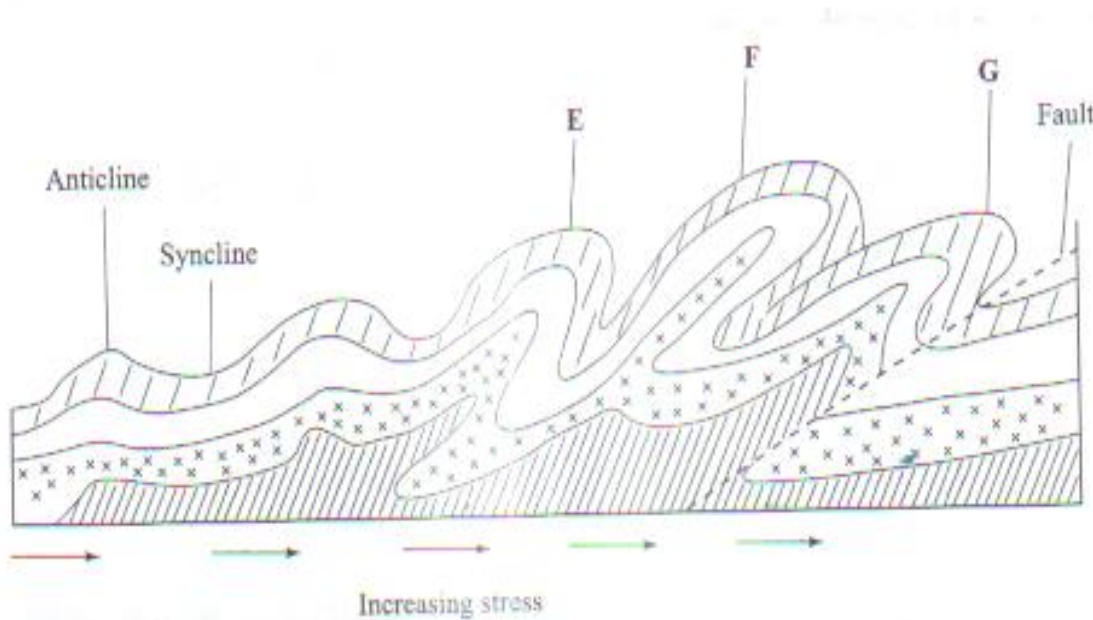
## SECTION A

### Answer All the Questions in This Section

**Q1(a)** Give two dates in a year when the earth experiences equal days and nights in both northern and southern hemisphere. (2mks)

**(b)** Supposing the local time in Lusaka, 31° E is 9.30pm, what time would it be at Greenwich Meridian? (2mks)

**Q2(a)** The diagram below shows types of folds. Identify the types of folds marked E, F and G. (3mks)

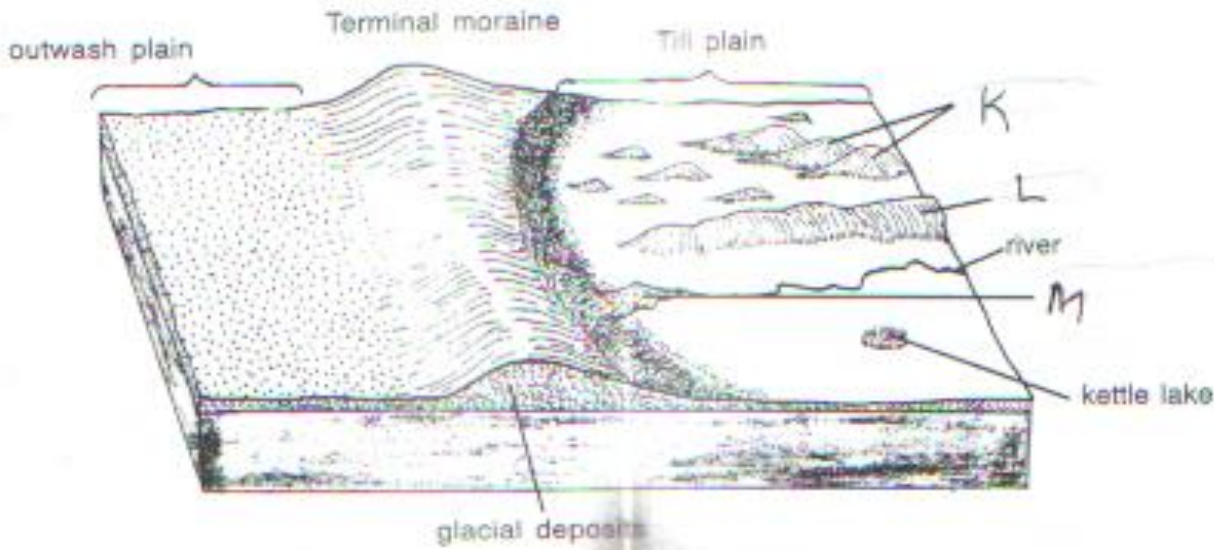


**(b)** Mention three theories which have been advanced to explain the origin of the fold mountains (3mks)

**Q3(a)** What is a river divide? (2mks)

**(b)** Give three processes by which a river transports its load (3mks)

**Q4(a)** The diagram below shows a glaciated lowland area. Name the glacial features marked K, L and M. (3mks)



- (b) Write two distinctive characteristics of a pyramidal peak. (2mks)
- Q5(a)** Give three types of desert surfaces. (3mks)
- (b) Mention two processes through which wind erodes desert surfaces. (2mks)

## **SECTION B**

### **Answer question 6 and any other TWO questions from this section**

- 6.** Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions.
- (a)(i) What was the magnetic variation of Migwani area by the time the map was made? (2mks)
- (ii) Determine the height in metres of a hill at Kyome to the north west of the area covered by the map. (2mks)
- (b)(i) Identify two man-made features found in grid square 1763 (2mks)
- (ii) Calculate the bearing of a school at Usiani from an Airphoto Principal point in grid square 0071 (2mks)
- (iii) Measure the distance of a road marked D 502 from a junction in grid square 9278 to the northern edge of the map (give your answer in km.) (2mks)
- © Draw a rectangle measuring 15cm by 10cm to represent the area to the west of Easting 00 and north of Northing 74. (1mk)
- On the rectangle mark and name ;
- A trigonometrical station
  - An all weather road bound surface
  - A dispensary at Nzeluni
  - Mui Dam (4mks)
- (d)(i) Explain three factors influencing the distribution of settlement in the area covered by the map (6mks)
- (ii) Giving evidence from the map identify two economic activities carried out in the area covered by the map. (4mks)
- Qn 7(a)** (i) What is a lake? (2mks)
- (ii) Give three examples of lakes in Kenya which have high levels of salinity. (3mks)
- (b) Explain three reasons why some lakes are fresh water. (6mks)
- © Describe how the following factors have affected lakes in Kenya.
- .Farming. (2mks)
  - .Water need (2mks)
  - .Industrialization (2mks)
- (d) Your class intends to carry out a field study on lakes. Give four reasons why it will be necessary to carry out a reconnaissance. (4mks)

- 8. (a)** Define the term faulting. **(2mks)**  
**ii)** Apart from block mountains give three other relief features of faulting **(3mks)**  
**b)** With aid of well labeled diagrams describe how a block mountain is formed **(8mks)**  
**c)** Name four volcanic features found on the floor of East African rift valley **(4mks)**  
**d)** Explain four effects of faulting **(8mks)**

- Q9.(a) (i)** Define the term weathering **(2 mks)**  
**(ii)** Name three forms of chemical weathering **(3 mks)**  
**(b)** Describe how the following factors causes biological weathering.  
**(i)** Action of animals. **(4mks)**  
**(ii)** Action of plants. **(4mks)**  
**©** State two conditions which may influence occurrence of land slides. **(2 mks)**  
**(d) (i)** Give four factors which cause soil creep. **(4 mks)**  
**(ii)** Explain three effects of soil creep on physical and human environment. **(6mks)**

- 10.(a) (i)** Define the term artesian basin **(2mks)**  
**(ii)** Give three sources of underground water. **(3mks)**  
**(b) (i)**Distinguish between permeable and porous rocks. **(2mks)**  
**(ii)** Mention two features associated with underground water. **(2mks)**

**(iii)** The diagram below shows underground water system. Name the parts marked A,B and C. **(3mks)**



- ©** Explain three factors that affect the occurrence of underground water. **(6mks)**  
**d)** A form three class went out for field study in a limestone area..  
**(i)** Give three surface features they are likely to have observed. **(3mks)**  
**(ii)** Draw a brief working schedule they may have used. **(4mks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 5 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

##### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

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**SECTION A****Answer All the Questions in This Section**

- 1) (a) Give three factors that favour coffee growing in Brazil (3Mks)  
 (b) Name two main diseases affecting coffee trees in Kenya (2Mks)
- 2) (a) Mention three reasons why Kenya's rivers are not useful transport routes (3Mks)  
 (b) Give THREE reasons why road transport in Africa is better developed than railway transport (3Mks)
- 3) (a) Explain why Kenya imports its oil in crude form (3Mks)  
 (b) Explain TWO problems that Kenya face as a result of overdependence on petroleum (2Mks)
- 4) (a) State THREE methods which are used in reclaiming Land in Kenya (3Mks)  
 (b) Mention TWO reasons that made the Gezira area suitable for an irrigation scheme. (2 Mk)
- 5) (a) What is barter trade (1Mk)  
 (b) Name THREE major commodities that Kenya imports (3Mks)

**SECTION B****Answer question 6 and any other two questions**

- 6) a. (i) Define Mining (1Mk)  
 (ii) List down THREE factors affecting exploitation of minerals (3Mks)
- b (i) Explain THREE ways in which Kenya has benefit from the mining of soda ash at lake Magadi (6Mks)  
 (ii) Explain THREE negative effects of mining to the environment (6Mks)
- c Study the data in the table below and answer the questions that follows.  
 East Africa: reading mineral production by value (Kshs million)

Mineral	Diamond	Soda Ash	Copper	Diatomite
2000	6989	4664	1968	180
2001	7515	3342	2619	636
2002	5577	229	2104	237
2003	6099	1417	2981	168
2004	6754	4647	3659	200

- (i) Calculate the percentage increase in value of each mineral between the years 2003 and 2004 (4Mks)
- (ii) On the grid provided, draw a comparative bar graph to represent the data in the table (5Mks)



- 7)
- (a) Name Two types of cattle breeds kept by nomadic pastoralists in Kenya (2Mks)
  - (b) (i) Why do nomadic pastoralists in Kenya keep large herds of animals (4Mks)
  - (ii) State four problems facing nomadic pastoralist in Kenya (4Mks)
  - (c) State THREE factors influencing beef farming in Kenya (3Mks)
  - (d) (i) Explain four differences between beef cattle farming in Kenya and Argentina (8 Mk)
  - (ii) State four significance of beef farming in Kenya (4Mks)
- 8) (i) Explain what you understand by the term, domestic tourism (1Mk)
- (ii) Differentiate between a national park and a game reserve (2Mks)
- b(i) Explain three factors that have hindered the development of domestic tourism in Kenya (6Mks)
- (ii) Explain four problems associated with tourism in Kenya (8Mks)
- c Explain four reasons why Switzerland get more tourist than Kenya (8 Mks)
- 9) (i) Define the term fisheries (1Mk)
- (ii) Differentiate Between fresh water fishing and marine fishing (2Mks)
- (i) Mention THREE reasons why marine fisheries in Kenya are underdeveloped(3mks)
- (ii) State THREE problems experienced in the marketing of fish in Kenya (3Mks)
- c(i) Explain four physical conditions which make Japan a major fishing ground (8Mks)
- (ii) Explain four reasons why major fishing grounds of the world are located in the temperature latitudes of the northern hemisphere. (8Mks)
- 10) (i) Define the term forest (1Mk)
- (ii) Name THREE species of tropical hardwood forests in Africa (3Mks)
- b(i) State THREE characteristic of temperate softwood forests (3Mks)
- (ii) Explain THREE problems facing forestry in Kenya (6Mks)
- (iii) State three reasons why British Columbia is an important producer of soft wood (3Mks)
- c. You are required by your Geography Teacher to carry out a field study on the forest near your school.
- State three reasons why it would be necessary to visit the area before the day of the study. (3Mks)
- Formulate three suitable objectives for the field study (3Mks)
- Explain three problems you would encounter on the field study. (3Mks)

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 6 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
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#### FOR EXAMINERS USE ONLY

#### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

#### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

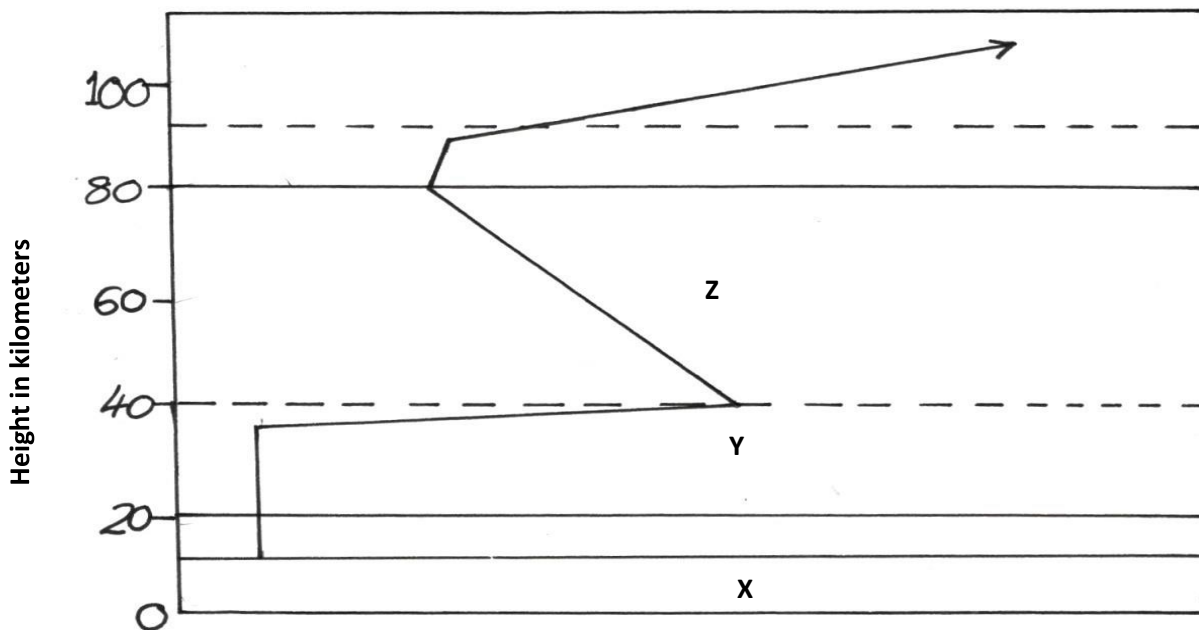
**TOTAL**

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## SECTION A

### Answer All the Questions in This Section

1. (a) State how each of the following forces influence the shape of the earth.
  - (i) Gravitational force (1mk)
  - (ii) Centrifugal force (1mk)
  - (iii) Centripetal force (1mk)
2. The diagram below depicts the structure of the atmosphere. Study it and answer the questions that follow.



- Identify the marked parts. (3mk)
- State any two characteristics of layer marked X above. (ii) (2mks)
3. List three importance of the carbon dioxide found in the atmosphere. (3mks)
  4. (a) Define the term lake. (2mks)  
 State and explain any four reasons why most of the lakes in Rift-valley are saline. (8mks)
  5. Give ways in which a lake acquires its load. (2mks)

## SECTION B (75 MARKS)

Answer question Six and any other two questions from this section.

6. Study the map of Belgut (1:50,000) sheet 117/3 provided and answer the following questions.

(i) Name three methods that have been used to represent relief on the map extract. **(3mks)**

(ii) Measure the length of the loose surface road bound surface from grid reference 425491 to the cross-road at grid 376524. State your answer in kilometers and metres. **(2mks)**

(iii) State the direction of flow of R. Yurith. Give reason for this. **(2mks)**

(i) If the area of Belgut is to be reduced by 2. Give the new scale of the map. Show your working. **(3mks)**

Apart from the forest, identify any other natural vegetation on the map extract. **(1mk)**

Explain two factors that have influenced the settlements in the area. **(4mks)**

Describe the drainage of the area shown on the map extract. **(6mks)**

Citing the evidences from the map extract state any two social activities carried out in the extract. **(4mks)**

7. (a) (i) Distinguish between a solfajara and a mofelfe. **(2mks)**

(ii) Name two areas in Kenya where geysers are found. **(2mks)**

(iii) State two economic benefits of geysers. **(2mks)**

(b) (i) With the aid of well labelled diagrams, describe how a caldera is formed by violent explosion. **(8mks)**

(ii) Explain three negative effects of volcanicity in Kenya. **(6mks)**

(d) Your class intends to carry out a study on a volcanic landscape.

State two objectives of the study. **(2mks)**

State three follow-up activities you are likely to carry out. **(3mks)**

8. (a)(i) What is a continental shelf? **(3mks)**

(ii) State three characteristics of a continental shelf. **(3mks)**

(b) (i) Distinguish between a constructive and destructive wave. **(2mks)**

(ii) Explain three processes of a wave erosion. **(6mks)**

With the aid of well labelled diagrams, describe the formation of the following features;

(i) An offshore bar **(4mks)**

(ii) Tombolo **(4mks)**

Suppose you carried out a field study along the Kenyan coast.

List two features of coastal emergence you are likely to have identified. **(2mks)**

State three benefits of emerged coastal features to man you are likely to have identified.

**(3mks)**

- 9. (a) (i)** Distinguish between natural vegetation and derived vegetation. **(2mks)**  
**(ii)** State two reasons why mountain tops have no vegetation. **(2mks)**  
**(b)** Give four advantages of coniferous forests to the climatic conditions. **(2mks)**  
**(i)** Explain three factors that have led to the decline of natural grasslands in Kenya. **(6mks)**  
**(ii)** Identify four areas which experience Mediterranean climate. **(4mks)**

You are to carry out a field study on a forest around your school.

- (i)** State three advantages of rampling part of the forest. **(3mks)**  
**(ii)** Give reasons why you would require a working schedule. **(4mks)**

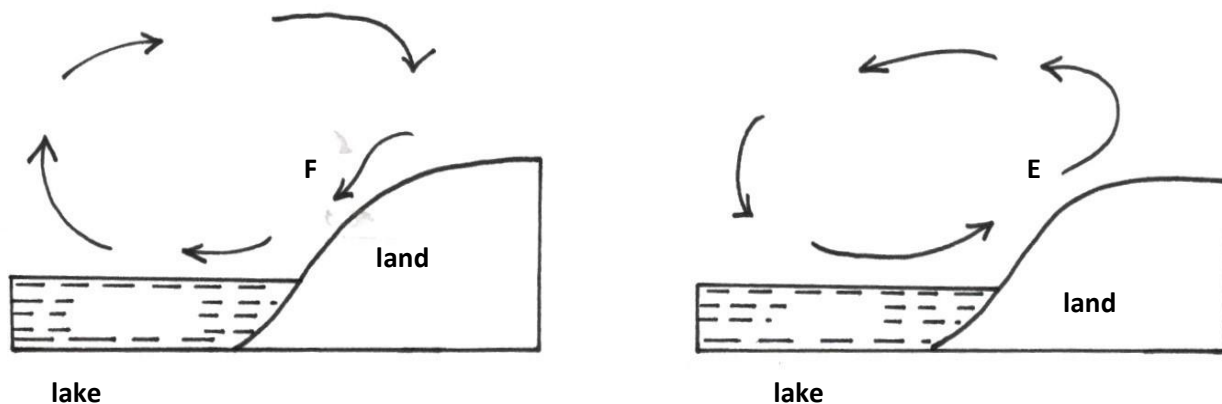
**10. (a)** Explain why the following factors influence rainfall:

- (i)** Air masses **(2mks)**  
**(ii)** Forests **(2mks)**  
**(iii)** Water bodies **(2mks)**

Give four reasons why the recording of data at a school weather station may be inaccurate. **(4mks)**

- (i)** What is the Inter tropical Convergence Zone (ITCZ)? **(2mks)**  
**(ii)** State the characteristics of the ITCZ. **(5mks)**

The diagram below represents the flow of air currents. Use them to answer the question a.



- Name the air current marked F. **(1mk)**  
 Why does the air current marked E blow during the day? **(2mks)**  
 Explain the problems associated with convectional rainfall in the lake region of Kenya. **(2mks)**  
 Explain how air cools as it rises into the atmosphere. **(3mks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 6 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

##### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

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## SECTION A

### Answer All the Questions in This Section

- 1) Name two conditions that are necessary for the formation of petroleum. (2mks)  
 (b) Give three ways in which open-cast mining affects the environment. (3mks)
- 2) Give two reasons why hardwood tree species in Kenya are in danger of extraction. (2mk)  
 State three ways in which softwood forests in Kenya differ from those in Canada. (3mks)
- 3) (a) List three social factors that influence agriculture (3mks)  
 (b) Give/name two horticultural crops grown in Kenya. (2mks)
- 4) State two physical problems experienced by farmers at Mwea-Tebere irrigation scheme. (2mks)  
 Outline three methods that were used to rehabilitate land in the Tennessee valley in the United States of America (USA). (3mks)
- 5) Name two sources of electric power other than water. (2mks)  
 State three physical conditions necessary for the location of a hydro-electric power dam. (3mks)

## SECTION B (75 MARKS)

### Answer question Six and any other two questions from this section.

- 6) The table below shows the number of passengers that used railway transport in selected countries in 1996 and 1997. Use it to answer question (a) and (b).

Country	Passen	ger in millions
	1996	1997
Canada	4, 200	3,000
USA	27, 700	16,600
Argentina	14,100	12,000
Zadia	96, 800	163,800
Japan	258,400	311, 900

- (a) (i) Using a scale of 1cm to represent 20,000 million passengers, draw comparative bar graphs based on the data above. (9mks)  
 State two advantages of using bar graphs in representing data. (2mk)
- (b) Calculate the percentage decline in railway passenger transport in Canada between 1996 and 1997. (2mks)  
 Explain why there are few railway links among African countries. (6mks)  
 Explain three ways through which Kenya has benefited from her international airport. (6mks)

- 7) (a) (i) Define the term tourism. (1mk)
- (ii) Name two tourist attraction found in the Rift Valley province. (2mks)
- Explain four factors which have hindered the development of domestic tourism in Kenya. (8mks)
- Explain three problems experienced by the Kenya government in the effort to conserve wildlife. (6mks)
- Explain four factors which have made Switzerland a major tourist destination in Europe. (8mks)
- 8) (a) (i) Name two non-renewable sources of energy. (2mks)
- (ii) Explain three human factors that influence the location of hydro-electric power station. (6mks)
- (b) (i) Apart from generating H.E.P, give three other benefits that have resulted from the construction of Masinga Dam. (3mks)
- (ii) Give three advantages of using H.E.P over other sources of power. (3mks)
- Explain four benefits that would result from rural electrification in Kenya. (8mks)
- Give three ways in which power shortage resulting from drought affects the industrial sector in Kenya. (3mks)
- 9) (i) Name two countries in Africa where cocoa is grown apart from Ghana. (2mks)
- (ii) State five physical conditions that favour cocoa farming in Ghana. (5mks)
- Outline the stages of processing of cocoa from harvesting to the time it is ready for export. (8mks)
- (i) State four uses of cocoa. (4mks)
- Describe the problems facing cocoa growing in Ghana. (6mks)
- 10)
- (a) (i) Briefly give the meaning of the following terms.
- (b) Mortality rate (2mks)
- (c) Life expectancy (2mks)
- Give three reasons why population growth rate is high in Kenya.
- Explain three factors influencing population growth rate. (6mks)
- Explain three consequences of declining population (negative) population growth rate to a country. (6mks)
- Describe three ways in which the population of Kenya differs from that of Sweden. (6mks)



# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 7 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

##### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

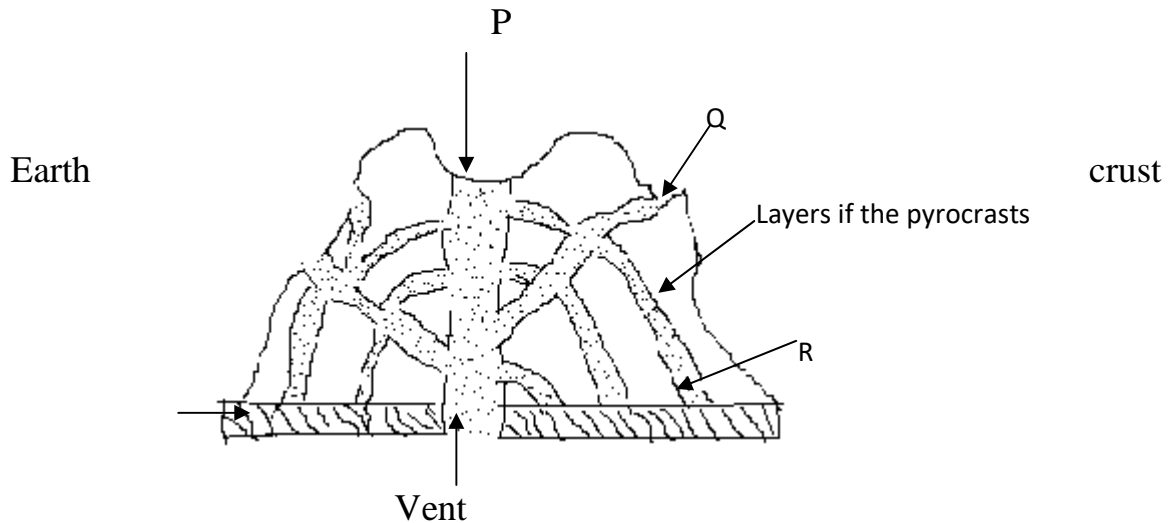
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## SECTION A

### Answer All the Questions in This Section

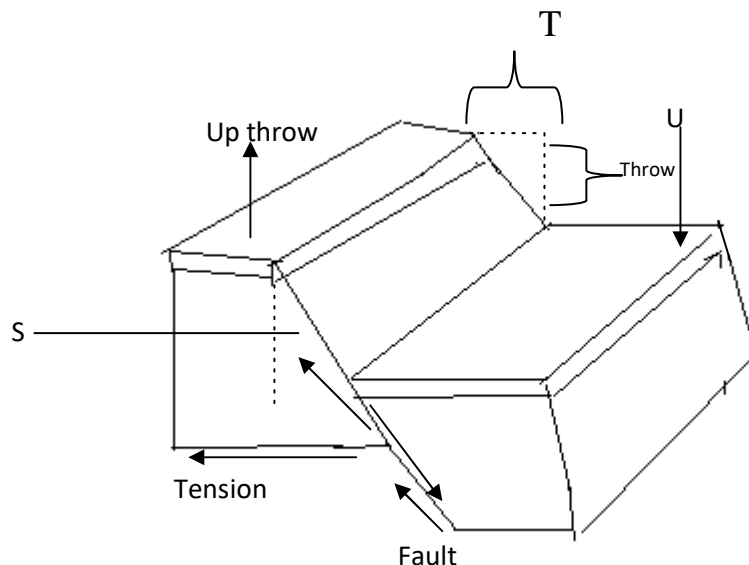
- 1) (a) State three causes of volcanicity. (3mks)  
 (b) The diagram below shows a composite volcano. Name the features marked P Q and R.



- 2) (a) Differentiate between weathering and mass wasting. (2mks)  
 (b) State three physical factors that influence the rate of mass movement. (3mks)  
 3) (a) Differentiate between plutonic and volcanic rocks. (2mks)  
 (b) Give an example in each of the following types of igneous rocks.

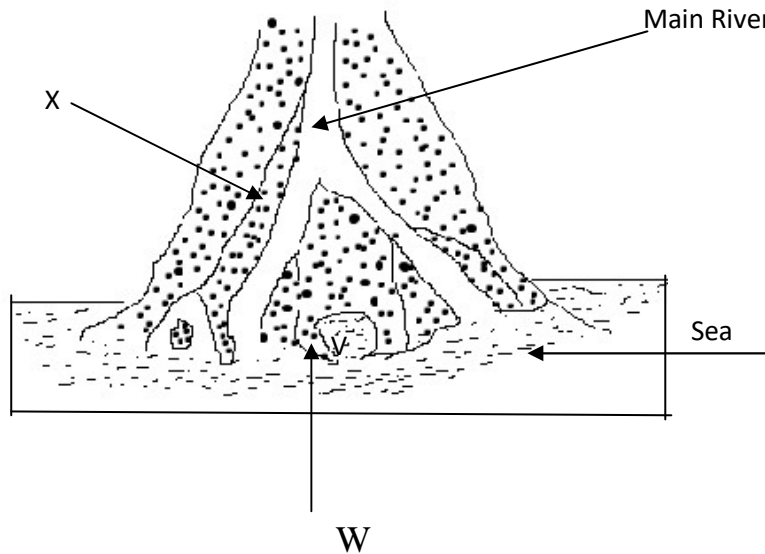
- Plutonic (1mk)  
 Hypabyssal (1mk)  
 Volcanic (1mk)

- 4) (a) The diagram below shows the formation of features resulting from faulting. Name the parts marked S, T and U. (3mks)



- (b) Name three escarpments found within the Gregory rift system. (3mks)

- 5) (a) Define the term “Estuary”. (1mk)  
 (b) The diagram below shows a dealt. Name the features marked V, W and X. (3mks)



**SECTION B**

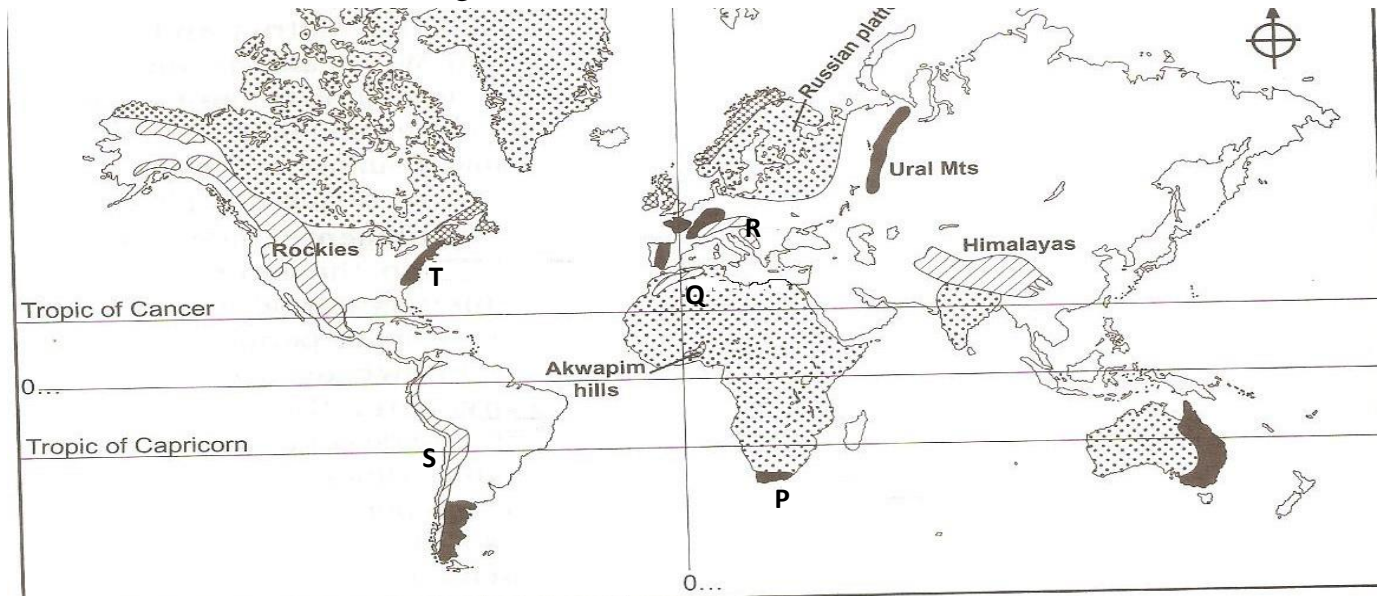
**Answer question 6 and any other TWO questions from this section.**

- 6) Study the map of Homa Bay (1:50,000) sheet 129/2 provided and answer the following questions.
- (a) Give the six figure grid references for lala Dam. (2mks)  
 Convert the scale used in the map to a statement scale. (2mks)  
 Give the magnetic variation on the map. (1mk)
- (b) Using a vertical scale of 1cm represents 100m. Draw a cross section between grid references 6033 to 6633. On it name and mark the following. (3mks)  
 River  
 Road  
 Hill
- (ii) Name the sub locations traversed by the cross section. (4mks)  
 Describe the relief of Central Kanyada division of the area covered by the map. (4mks)  
 Students of Kamsama School (grid square 4643) carried out field study on olambwe East Location.  
 Name three physical features they may have identified. (3mks)  
 State three follow up activities they might have done after the fieldwork. (3mks)

7) (a) What is folding? (2mks)

(b) (i) The following map shows the location of fold mountain ranges of the world.

Name the mountain ranges marked P, Q, R, S and T. (5mks)



(ii) With the aid of a well labeled diagram describe how a recumbent fold is formed. (6mks)

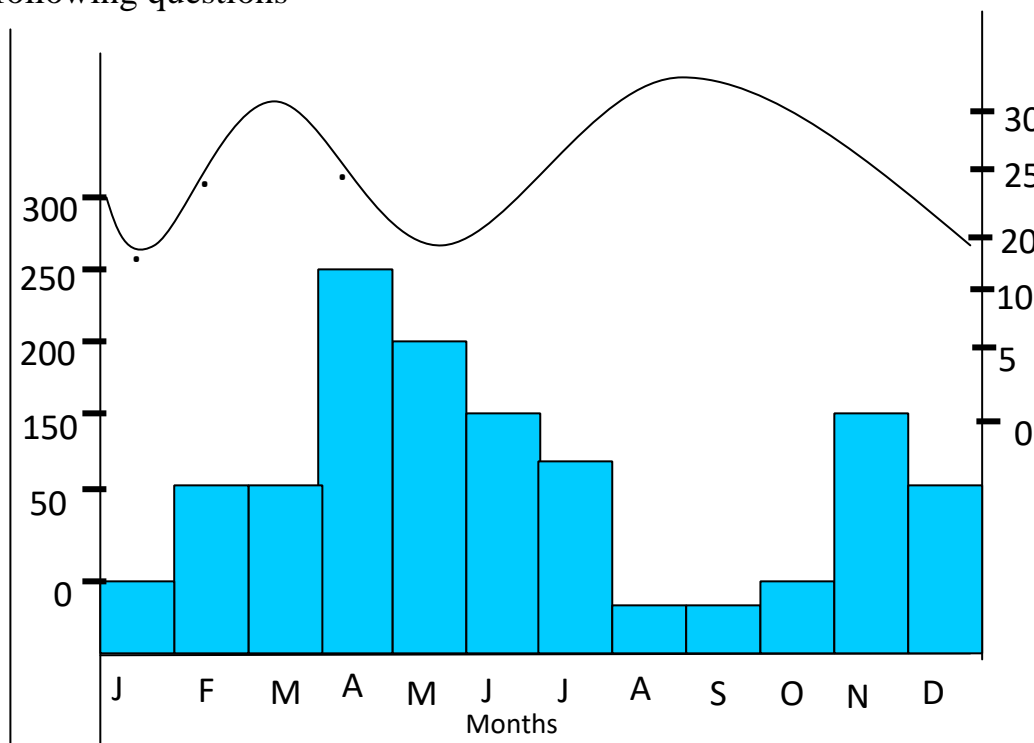
Apart from Fold Mountains name other main land forms resulting from folding. (3mks)

Explain four ways in which fold mountains influences climate. (8mks)

8) (a) What is an isothermal layer? (2mks)

Name three isothermal layers found in the atmosphere. (3mks)

The graph below shows climatic characteristics of a station in Kenya. Use it to answer the following questions

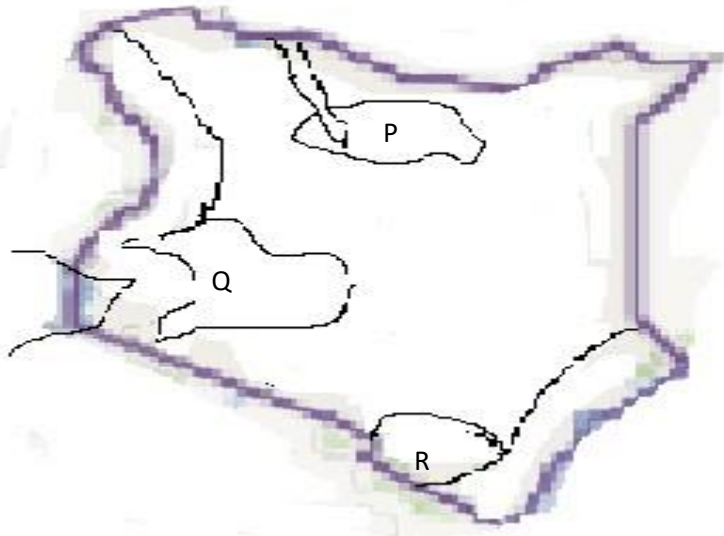


Calculate the annual range of temperatures. **(2mks)**

Calculate the annual total amount of rainfall received at the station. **(2mks)**

Describe six climatic conditions experienced in the Kenyan highlands. **(6mks)**

The map below shows the climatic regions of Kenya. Name the regions marked P Q and R.



Give five development activities that the Kenyan government could initiate sustainably in the region marked P.

Explain how the following factors influence the climate of a region.

Aspect. **(2mks)**

Ocean currents. **(2mks)**

**9) (a) (i)** What is a lake?

**(ii)** Name two examples of Lakes in Kenya formed by tectonic movement. **(2mks)**

**(b) (i)** With the aid of well labeled diagrams describe how lake paradise in Kenya was formed. **(8mks)**

Name two examples of Lakes in Africa, outside East Africa, that were formed in a similar way. **(2mks)**

Explain four negative effects which human activities have on lakes. **(8mks)**

Your Geography teacher has asked you to carry out a field study on a lake near your school.

Formulate two hypothesis of the Study. **(2mks)**

State any three methods you would use to collect the data. **(3mks)**

- 10) (a) (i)** Give two examples of hot deserts in Africa. **(2mks)**  
**(ii)** State three human activities that cause aridity and desertification. **(3mks)**

With the aid of well labeled diagrams, describe how the following features are formed.

Zeugen **(7mks)**

Barchan **(7mks)**

Explain three processes through which transport its load. **(6mks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 7 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

##### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

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## SECTION A

### Answer All the Questions in This Section

- 1) (a) Name two provinces in Kenya where wheat is grown on large scale. (2mks)  
(b) Give two diseases that affect wheat. (2mks)
- 2) (a) What is an environment hazard? (2mks)  
(b) State 3 effects of land pollution. (2mks)
- 3) (a) Name two types of settlement patterns. (2mks)  
(b) State three human factors which influence location of settlement. (3mks)
- 4) (a) Name three functional zones of a town. (3mks)  
(b) State three benefits of urbanization. (3mks)
- 5) (a) Name three agricultural non food manufacturing industries in Thika. (3mks)  
(b) Give three uses of water in a modern industry. (3mks)

## SECTION B

### *Answer Question 6 And Any Other Two Questions From This Section.*

- 6) .The table below shows population data for the East African countries in 2004. Use it to answer questions and b.

COUNTRY	POPULATION (MILLIONS)	GDP PER CAPITAL US-DOLLARS
BURUNDI	7.1	93
KENYA	32.4	434
RWANDA	8.5	198
TANZANIA	37.7	275
UGANDA	26.7	245

- (i) The number of births recorded in 2004 in Rwanda was 255,000 persons. Calculate the crude birth rate for the population. (2mks)
- From the information shown on the table which country has the highest standards of living. (1mk)
- Apart from statistical tables name three other methods through which population data can be presented (3mks)
- Using a vertical scale of 1cm represents 5 million people; draw a simple bar graph to represent the above data. (7mks)
- (c) (i) State two factors influencing the rate of population growth. (2mks)  
(ii) Outline four effects of rural-urban migration on the rural areas. (4mks)
- (d) Describe three physical factors influencing population distribution in Sweden. (6mks)

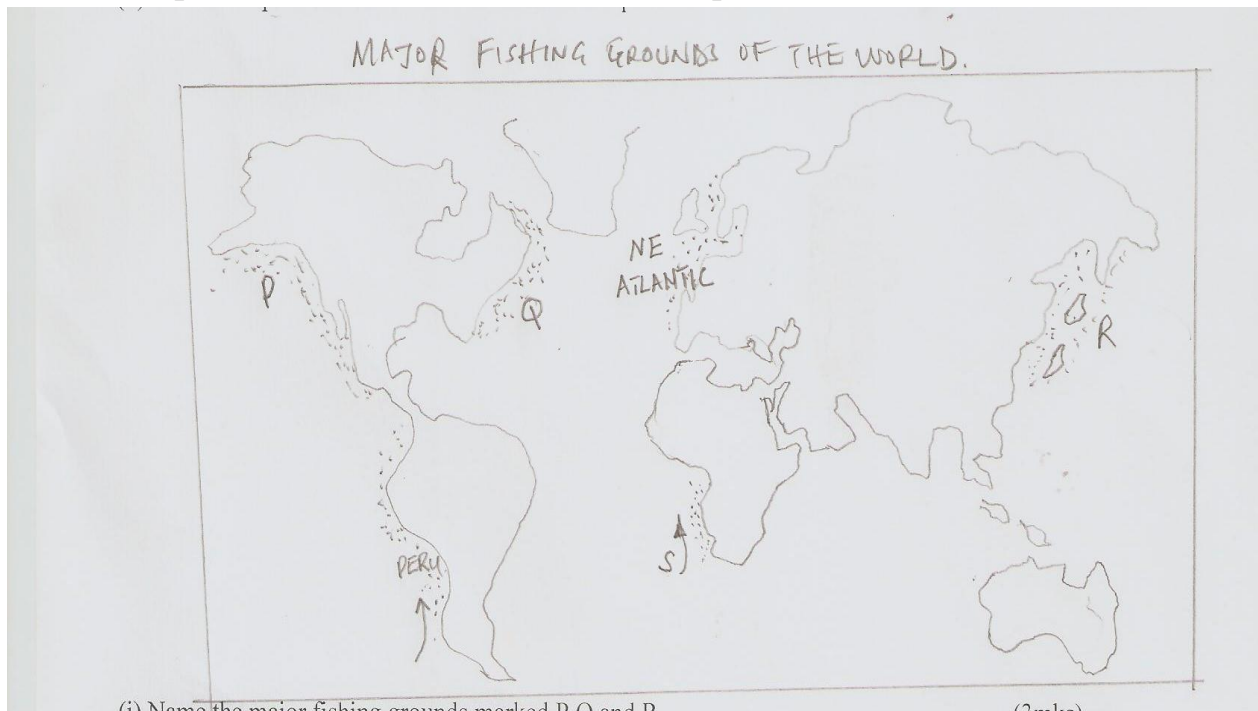


- 7) (a) Name three areas in Kenya where maize is grown on large- scale farms. **(3mks)**
- (b) Explain four physical requirements for growing maize in Kenya. **(8mks)**
- (c) Describe the production of maize from land preparation to harvesting. **(6mks)**

Recently there has been an acute rise in the price or maize flour. State two possible reasons that have lead to this trend. **(2mks)**

- (ii) Explain three ways in which maize contributes to the economy of Kenya. **(6mks)**
- 8) (a) (i) Differentiate between forestry and agro forestry. **(2mks)**
- (ii) Name three types of tropical hardwood trees found in Kenya forests. **(3mks)**
- (b) State five reasons why agro forestry is being encouraged in Kenya. **(5mks)**
- (c) Explain four factors that limit the exploitation of tropical rain forests in Africa. **(8mks)**
- (d) (i) Name three major lumbering areas in the eastern provinces of Canada. **(3mks)**
- (ii) State four factors that influence the development of softwoods in Canada. **(4mks)**
- 9) (a) (i) Define the term fishing. **(2mks)**
- (ii) State three human factors influencing fishing. **(3mks)**

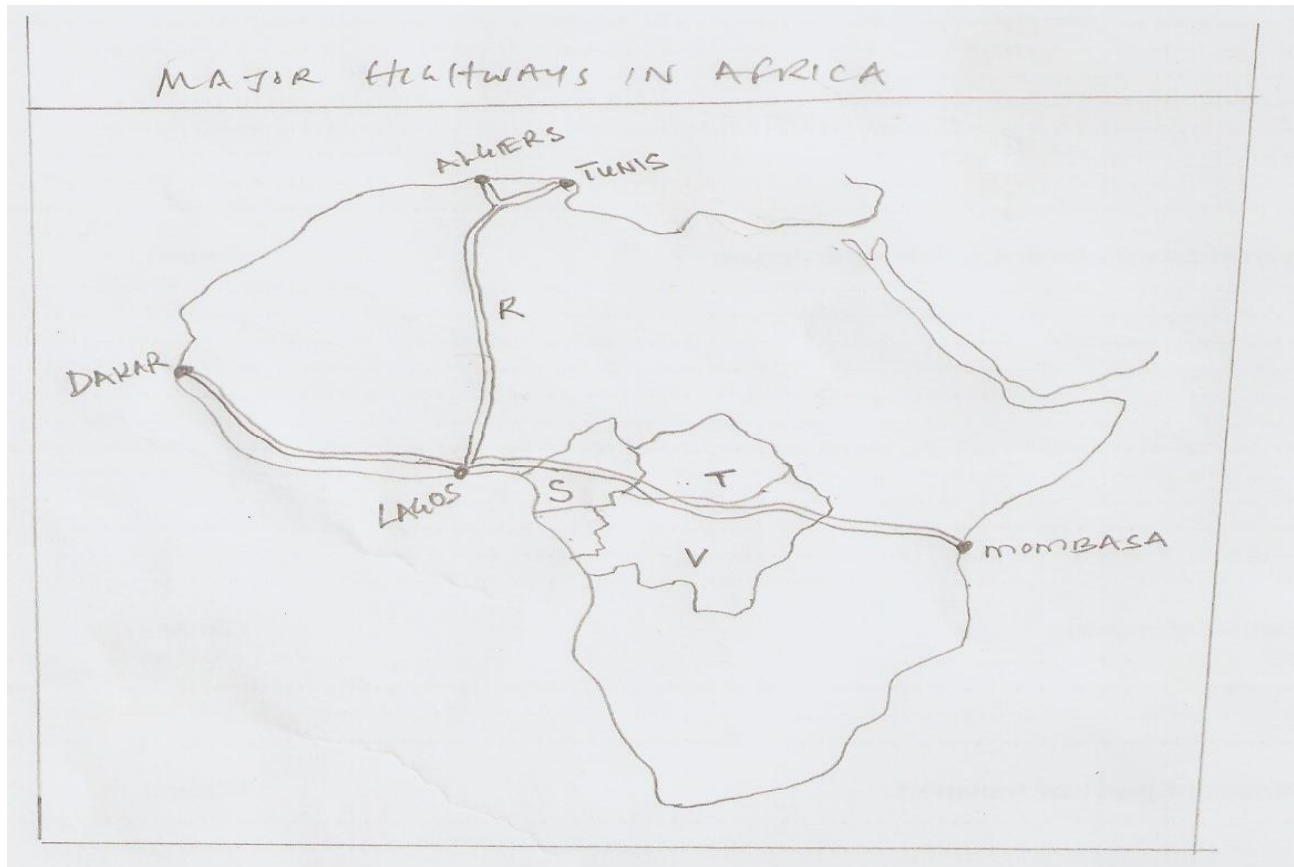
Use the map of the world below to answer the questions that follow.



(i) Name the major fishing grounds marked P, Q and R.

**(3mks)**

- Name the major fishing grounds marked P Q and R. (3mks)
- Identify the cold ocean currents mark S and T. (2mks)
- (c) (i) Name two freshwater fish species found on L. Victoria (2mks)
- (ii) Apart from L. Victoria identify 2 other major fishing grounds in Kenya. (2mks)
- (iii) State five problems affecting marine fishing in Kenya. (5mks)
- (d) Explain four physical factors favoring fishing in Japan. (8mks)
- 10) (a) (i) What is pipeline transport. (2mks)**
- (ii) State four advantages of pipeline transport. (4mks)**
- (b) Use the map of Africa below to the questions that follow.**



- Name the countries marked S, T, V and the highway marked R. (4mks)
- Give 3 reasons why the highway marked R is difficult to use. (3mks)
- Explain factors that hinder development of railway link among countries in Africa. (8mks)
- Name 4 modern methods of communication. (4mks)

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 8 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
- b) **Sign** and write **date** of examination in the spaces provided.
- c) This paper has two sections: **A** and **B**.
- d) Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.

#### FOR EXAMINERS USE ONLY

##### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

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**SECTION A****Answer All the Questions in This Section**

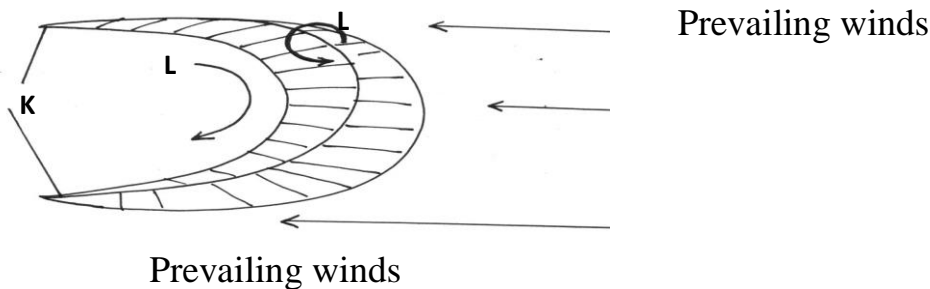
- 1) (a) What is a weather station? (2mks)  
State two conditions considered in choosing a suitable site for a weather station. (2mks)
- 2) (a) What do you understand by the term lapse rate? (1mk)  
At a given latitude, the sea level temperature is 30°C. What will the temperature be at the summit of a 4000 metre-high mountain when the lapse rate is 0.6°C per 100 metres ascent? (2mks)  
State three conditions that are necessary for the air to rise. (3mks)
- 3) (a) What is mechanical weathering? (1mk)  
How is an exfoliation dome formed? (3mks)  
Describe carbonation as a process of chemical weathering. (3mks)
- 4)  
(a) State two theories that are used to explain the origin of the earth. (2mks)  
What is solar system? (2mks)
- 5) (a) What is soil? (2mks)  
Name two types of soil according to texture. (2mks)

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

- 6) Study the map of Home Bay (1:50,000) sheet 129/2 provided and answer the following questions.
- (a) (i) Give the sheet title of the map. (1mk)  
Convert the scale of the map into a statement scale. (2mks)  
(iii) Name two methods that have been used to represent relief on the map. (2mks)
- What is the distance of the dry weather road E117 from the road junction in grid square 5733 to where it crosses northing 30? (Give your answer in kilometres). (2mks)
- Calculate the bearing of God Nyamjini summit from the air photo principal in grid-square 4539. (2mks)
- Using a vertical scale of 1cm to represent 50m, draw across-section from the easting 62 to 66 along Northing 33. (3mks)
- On it, mark and name (3mks)
- River  
Hill  
Road
- Calculate the vertical exaggeration. (2mks)

- (d) Describe the relief of the area covered by the map. **(3mks)**  
 (e) Suppose you were a student in the school at Nyamila and you plan to carry out a day's field study of A forest in Olambwe Valley.  
 (i) Design a working programme (schedule) you would use during the day of the study. **(3mks)**  
 (ii) Give two reasons why it would be necessary to sample part of the forest for the study. **(2mks)**

- 7) (a) What is a desert? **(2mks)**  
 Name three types of deserts according to the nature of their surfaces. **(3mks)**  
 State three factors that make wind action more effective on the hot deserts. **(3mks)**  
 How is an oasis formed? **(3mks)**  
 The diagram below shows a barchan.



- Name the feature marked K. **(1mk)**  
 Name the air current marked L. **(1mk)**  
 Describe the formation of a barchan. **(5mks)**

You intent to carry out a field study on a desert landscape.  
 Apart from conducting oral interviews, state four other methods you would use to collect information. **(4mks)**

State three problems that you are likely to encounter in the field. **(3mks)**

- 8) (a) Differentiate between Plutonic and Volcanic rocks. **(2mks)**  
 (b) Describe how a lava plateau is formed. **(4mks)**  
 (c) (i) State four characteristics of a composite volcano. **(4mks)**  
 (ii) Describe how mount Kenya was formed. **(6mks)**

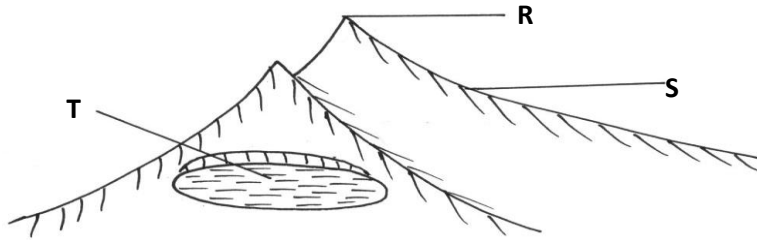
State three ways through which mount Kenya has influenced the drainage of the area. **3mks**

- (d) During your field work, you intent to study the volcanic rocks.  
 State why you would need the following items:-  
 A hammer **(1mk)**  
 A polythene bag **(1mk)**  
 Lenses **(1mk)**

State three problems that you are likely to have experienced while collecting rock samples. **(3mks)**

9)

(a) The diagram below shows a glaciated upland area.



Name the features marked R, S and T. (3mks)

Describe the distinctive characteristics of a fiord. (2mks)

With the aid of well labelled diagrams, describe how the following features are formed:-

cirque (6mks)

a hanging valley (4mks)

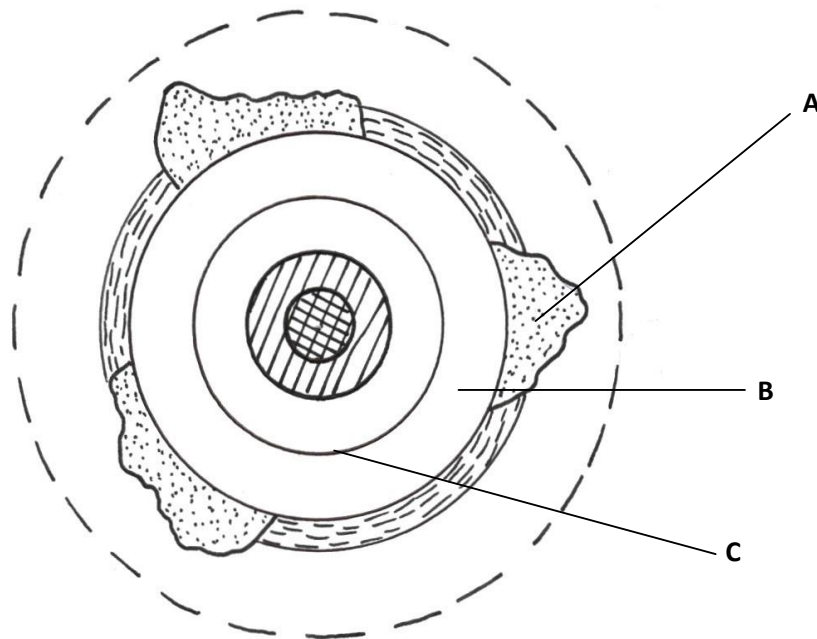
Explain two factors that may lead to glacial erosion in upland areas. (4mks)

(d) Suppose you were to carry out a field study on a glaciated upland.

Name two types of moraine you are likely to identify. (2mks)

Give four reasons why you would need the map of the area. (4mks)

10) The diagram below shows the cross-section of the internal structure of the earth.



Name the parts marked A, B, and C.

**(3mks)**

Describe the characteristics of the:-

- (b)** (i) mantle  
(ii) core

**(4mks)**

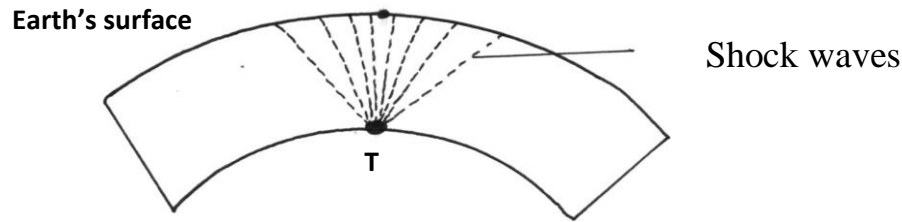
**(4mks)**

**(a)** (i) What are earthquakes?

**(2mks)**

The diagram below shows the vibration of shock waves within the crust.

S



Name the locations marked S and T.

**(2mks)**

State four ways in which the earth's crust is affected by earthquakes.

**(4mks)**

**(c)** You intend to carry out a field study of an area recently affected by an intense earthquake.

Give two sources of information that you would use in preparation for the study. **(2mks)**

Explain two factors that would make it difficult for you to collect accurate data during the field study. **(4mks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 8 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

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#### FOR EXAMINERS USE ONLY

#### SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

#### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

--



**SECTION A****Answer All the Questions in This Section**

- 1) What is urbanization? (2mks)  
Give two differences in the functions of New York and Nairobi cities. (4mks)
- 2) (i) Apart from providing power, state three other benefits of the dams along river Tana. (3mks)  
(ii) State two problems that affect hydro-electric power production along river Tana. 2mk  
State two factors that hinder the expansion of geothermal power production in Kenya. 2mk
- 3) (a) What is wildlife? (2mks)  
State three ways through which the government of Kenya conserves wildlife. (3mks)
- 4) (a) State two advantages of keeping exotic poultry over indigenous ones. (2mks)  
(b) State two problems facing poultry farming in Kenya. (2mks)
- 5) Give three effects of liberalization of the oil industry in Kenya. (3mks)

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

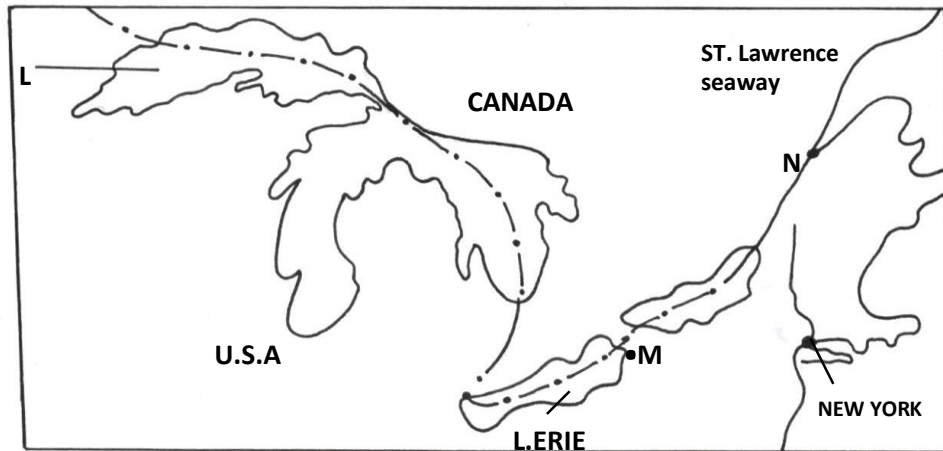
- 6) The table below shows Kenya's exports between 1986 and 1990. use the table to answer the questions below.

**KENYA'S EXPORTS BETWEEN 1986-1990 IN 000' TONES**

COMMODITY	1986	1987	1988	1989	1990
Coffee	126	100	90	98	114
Tea	16	135	138	163	166

- (a) (i) Using a vertical scale of 1cm to represent 20,000 tonnes, construct a simple line graph to represent the export trends of coffee from 1986 to 1990. (5mks)  
(ii) State three advantages of using a simple line graph to represent the data. (3mks)  
(iii) Comment on the trend of coffee exports from 1986-1990. (2mks)
- (b) (i) With reference from the table given above give two reasons why there was an increase in tea exports over the given period. (2mks)  
State four physical conditions that favour tea growing. (4mks)  
Explain three problems experienced in small scale tea farming in Kenya (6mks)
- (c) A group of students carried out a field study of a farm specializing in a variety of crops. Write down three questions that the students are likely to have asked the farm manager. (3mks)

7) Below is a sketch map of the Great-Lakes-St.Laurence sea way. Use it to answer question (a)



- (a) Name (i) the lake marked L. (1mk)
- (ii) the waterfall marked M (1mk)
- (iii) the port marked N (1mk)

- (b) (i) Explain three ways in which the Great Lakes-St. Lawrence seaway has contributed to the economy of Canada and the united states of America.(USA). (6mks)
- (ii) Describe three measures that were taken to improve the Great Lakes and the St.Laurence Sea way. (6mks)

Explain three factors that hinder the development of railway links among African countries. (6mks)

State four reasons why it is difficult to transport goods from Mombassa to Lagos along the Trans-African highway. (4mks)

- 8) (i) What is an environmental hazard? (2mks)
- (ii) Apart from desertification name two other environmental hazards experienced in Kenya. (2mks)
- (i) Apart from water and air pollution, name two other types of pollution. (2mks)

Identify three ways through which water is polluted. (3mks)

Explain three effects of air pollution in the environment. (6mks)

Explain three factors that lead to frequent flooding in the lake region of Kenya. (6mks)

Explain two ways through which floods are controlled in the lake region of Kenya. (4mks)

9)

- (a) (i) Define the meaning of the term census. (2mks)
- (ii) Give two primary sources of population data. (2mks)
- (iii) What information can be derived from a population pyramid? (3mks)

Describe three ways in which the population of Kenya differs from that of Sweden. **(6mks)**

Explain three causes of rural-rural migration in Kenya. **(6mks)**

**(d)** You intend to carry out a field study on the population within the vicinity of your school.

State three preparations you would make for the study. **(3mks)**

State three methods you would use to record information. **(3mks)**

**10)** (i) Differentiate between primary and secondary industries. **(2mks)**

(ii) Name three agricultural non-food manufacturing industries in Kenya. **(3mks)**

Draw an outline map of Kenya. **(2mks)**

On the outline map, mark and name two towns where motor-vehicles are assembled. **(2mks)**

Explain three causes of the decline in the textile industry in Kenya. **(6mks)**

Give four reasons why the development of the Jua kali industries is being encouraged in Kenya. **(4mks)**

You intend to carry out a field study of an industry which is manufacturing goods for the local market as well as for export.

**(i)** What information would you collect to enable you achieve the objectives of your study? **(4mks)**

**(ii)** Give two reasons why content analysis may not be a suitable method of data collection during a field study. **(2mks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 9 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
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QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

--

## SECTION A

### Answer All the Questions in This Section

- 1) a) What is isostasy. (2 Marks)  
 b) Name two theories that explain the origin of continents. (2 Marks)
  
- 2) a) What is the ITCZ? (2 Marks)  
 b) i) State two causes of ocean currents . (2 Marks)  
 ii) Name two effects of Benguela currents along the coast of south West Africa. (2 Marks)
  
- 3) a) State three factors that influence the occurrence of surface run-off. (3 Marks)  
 b) Name two types of ocean tides. (2 Marks)
  
- 4) a) State three effects of the revolution of the earth. (3 Marks)  
 b) State two conditions experienced when the sun is overhead the tropic of cancer. (2 Marks)
  
- 5) a) State two sources of sedimentary rocks. (2 Marks)  
 b) State three factors which determine the ease and degree of change of original rock during metamorphism. (3 Marks)

## SECTION B

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

- 6) Use the map of Belgut 1:50,000 provided to answer the following questions sheet 117/3
    - i) Give the magnetic inclination of the area covered by the map. (2 Marks)
    - ii) What is the longitudinal extent of this map extract? (2 Marks)
    - iii) Give six figure grid reference of the trigonometrical station at Kiptere. (2 Marks)
      - ii) Identify two types of vegetation (natural) shown on the map. (2 Marks)
  
  - i) Citing evidence from the map, give four economic activities carried out in the area covered by the map. (4 Marks)
  - ii) Give two adjoining sheets to the area covered by the map. (2 Marks)
- Calculate the bearing of the trigonometric station 1874 117513 from Gaparock school at Grid square 5640 in the map. (2 Marks)
- ii) State two methods used to represent relief in the area covered by the map. (2 Marks)
- i) Draw a cross section from grid reference 550640 to 590660 using a vertical scale 1cm represents 20m (4 Marks)
    - ii) On the cross section, mark and name the  
 A river

A hill

Dry weather road

**(3 Marks)**

- 7) a) i) State three main causes of the horizontal movement of ocean water. **(3 Marks)**  
 ii) Describe the process of the formation of a spit. **(6 Marks)**  
 b) Explain three significance of oceans to human beings. **(6 Marks)**  
 c) i) Mention three classes of lakes according to formation . **(3 Marks)**  
 ii) Describe how Lake Victoria was formed. **(5 Marks)**  
 iii) Give two reasons why some lakes in the rift valley have fresh water. **(2 Marks)**

8) Use the map below to answer questions (a) and (b)



a) Name

- i) The type of climate found in the shaded area marked Q  
 ii) The ocean current marked R and S

**(2 Marks)**

**(2 Marks)**

i) Identify climate T

**(2 Marks)**

ii) Describe characteristics of the climate marked T

**(6 Marks)**

Explain how the following factors influence climate;

Altitude **(5 Marks)**

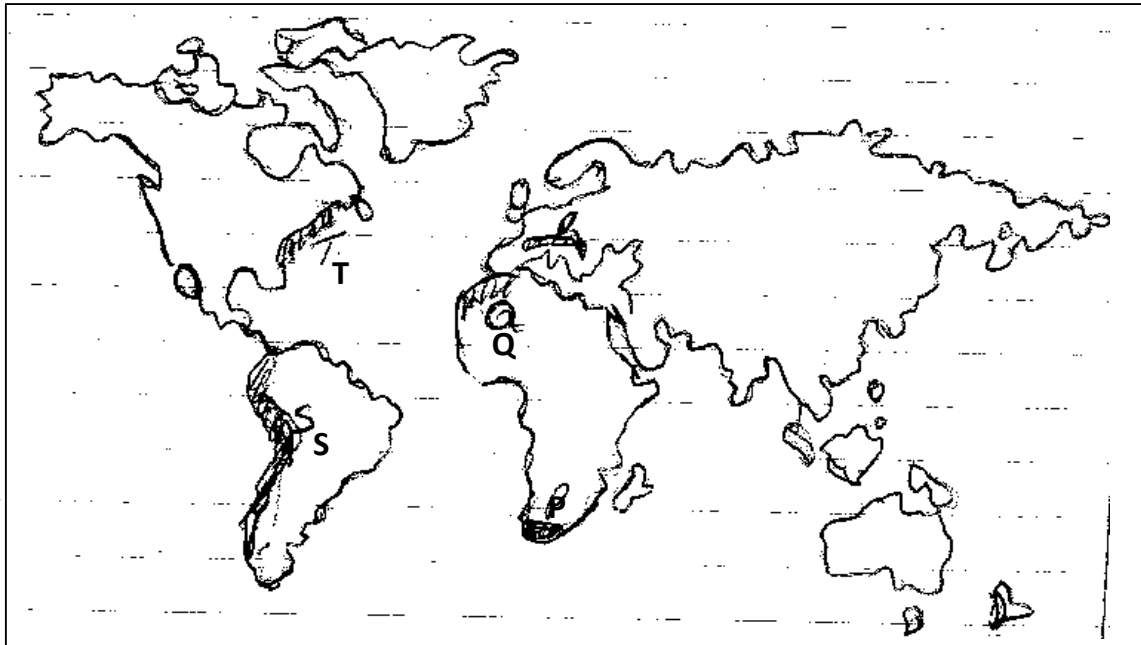
Winds **(4 Marks)**

Give reasons why Stevenson screen is

Painted white **(2 Marks)**

Has louvers **(2 Marks)**

- 9) The following map shows the location of fold mountain ranges of the world. Use it to answer the questions below.



- i) Name the mountain ranges marked P, Q, R, S and T **(4 Marks)**  
 ii) What is geosyncline **(2 Marks)**  
 iii) Explain how the existence of a geosyncline may lead to the formation of fold mountains **(8 Marks)**

Explain three positive effects of folding to human activities. **(6 Marks)**

You are to carry out a field study on external land forming processes in an area near your school

- i) Name three methods you would use to collect the data. **(3 Marks)**  
 ii) Give two data recording activities you would use. **(2 Marks)**

- 10) a) i) State three factors which contribute to the development of hot deserts. **3 Marks)**  
 ii) Name three processes through which wind erodes a desert landscape. **(3 Marks)**  
 b) Using diagrams explain the formation of;  
 i) Zeugen **(6 Marks)**  
 ii) Rock pedestal **(6 Marks)**

- c) i) Distinguish between an aquifer and a water table. **(2 Marks)**  
 ii) Explain five ways in which groundwater is of significance to human activities. **5 Marks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 9 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

SCHOOL..... SIGN.....

DATE.....

#### INSTRUCTIONS TO CANDIDATES.

- a) Write your **NAME**, **SCHOOL** and **INDEX NUMBER** in the spaces provided above.
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QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

##### SECTION B

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

**TOTAL**

--



## SECTION A

### Answer All the Questions in This Section

- 1) a) Name two areas in Kenya which are being exploited for geothermal power. (2 Mks)  
 b) State two factors that hinder expansion of geothermal power production in Kenya. (3 Marks)
- 2) State two factors that can lead to development of slum settlement in an urban center. (3 Marks)
  - i) Define hinterland. (2 Marks)
  - ii) Give two factors that affect the extension of hinterland. (2 Marks)
- 3) Mention one main problem faced in efforts to eradicate Tsetsefly in Lambwe valley. (1 Mark)  
 State three effects of wind as an environmental hazard in Kenya. (3 Marks)
- 4) a) State any three functions of central business district. (3 Marks)  
 Outline two factors contributing to the development of major urban centres in East Africa. (2 Marks)
- 5) State three physical conditions that favour growing of oil palm in Nigeria. (3 Marks)

## SECTION B

### Answer question six and any other two questions from this section

- 6) The table below shows the 2009 population census per district for central province of Kenya.

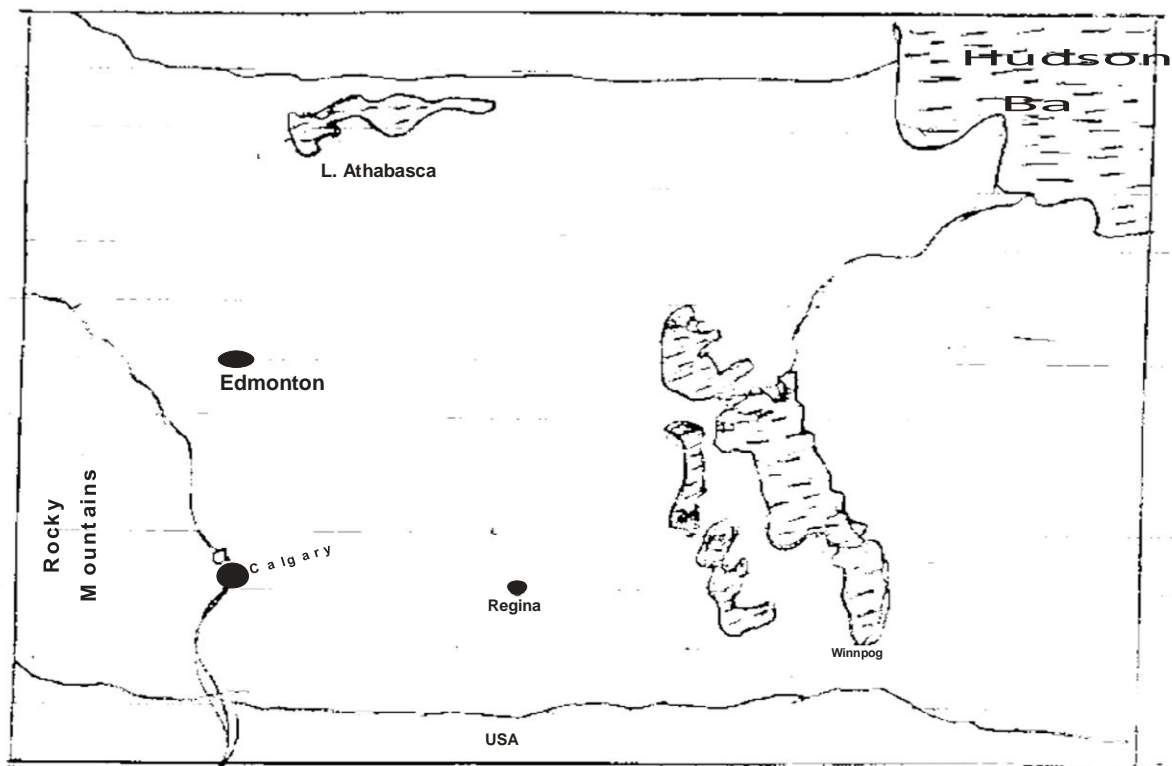
District	Population
Nyandarua	479,902
Nyeri	661,156
Kirinyanga	457,105
Muranga	348,304
Kiambu	744,010
Thika	645,713
Maragua	387,969

- a) i) A part from the bar graph, name three other methods that can be used to represent the above data. (3 Marks)
  - b) ii) Draw a simple bar graph to represent the data above. Use a scale of 1cm to represent 100,000 persons (6 Marks)
  - iii) Give four advantages of using bar graph to represent statistical data. (4 Marks)
- Calculate the population density for Kiambu district given that the area is 1324km<sup>2</sup> (2 Marks)
- A part from rural - rural migration state two other types of migration. (2 Marks)
- ii) Explain four causes of rural-rural migration in Kenya. (8 Marks)

- 7) a) i) State three factors favouring the world’s major fishing grounds . **(3 Marks)**  
 ii) Describe three types of fish according to their habitats. **(6 Marks)**  
 Give four reasons why fresh water fishing in E. Africa is more wide spread than Marine fishing. **(8 Marks)**  
 c) Explain three ways in which the significance of fishing in Kenya and in Japan is similar. **(6 Marks)**  
 State two measures taken to conserve fisheries in Kenya. **(2 Marks)**

- 8) a) i) Give three main countries where most tourists to Kenya come from. **(3 Marks)**  
 ii) Name two leading National parks in Kenya that receive highest number of visitors. **(2 Marks)**  
 i) Give three physical factors of tourist attraction in Kenya. **(3 Marks)**  
 ii) Explain four measures that have been taken to promote tourism in Kenya. **(8 Marks)**  
 List five social-economic factors which have led to the development of tourism in Switzerland. **(5 Marks)**  
 State five problems that face tourism in Kenya. **(5 Marks)**

- 9) a) i) Name two wheat producing provinces in Kenya. **(2 Marks)**  
 Explain three physical conditions that favour wheat growing in Kenya. **(6 Marks)**  
 Below is a sketch map of Canada. Draw and on it mark and name the main wheat growing provinces. **(3 Marks)**



State four problems facing wheat production in Canada. **(4 Marks)**

You are to carry out a field study of Horticultural activities on a farm within the vicinity of your school.

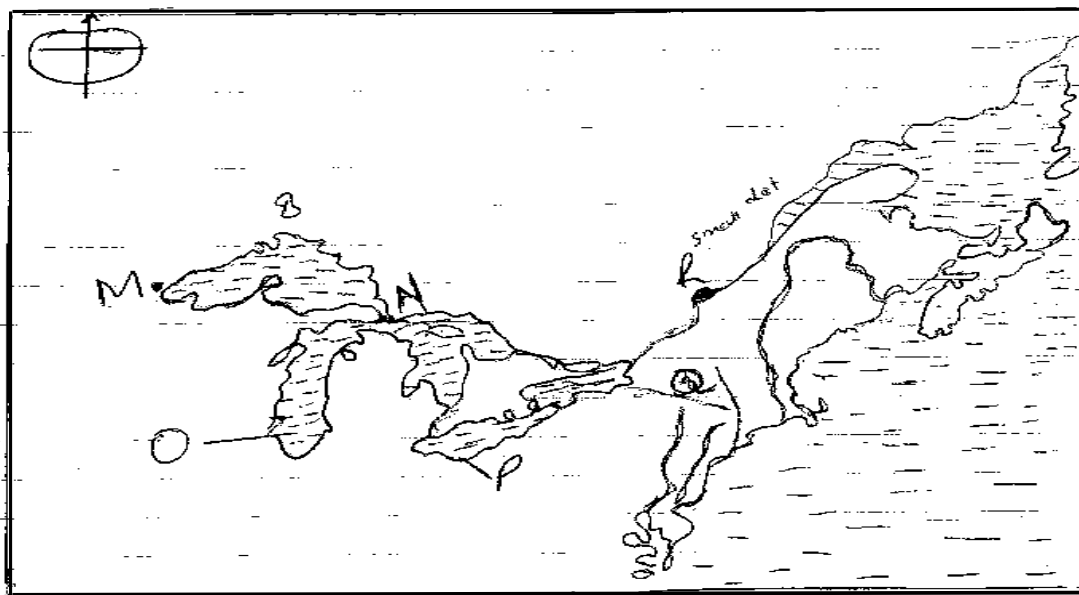
Describe how you would plan for the study. **(4 Marks)**

What kind of information would you collect in the field? **(3 Marks)**

Mention three problems the horticultural farmers may be facing. **(3 Marks)**

**10) i) Differentiate between modes of transport and units of carriage. **(3 Marks)****

Below is a sketch map of the great lakes and St. Lawrence Seaway. Use it to answer the question a(ii)



Name lakes O and P **(2 Marks)**

Name ports M and R **(2 Marks)**

Explain three ways in which the great lakes and St. Lawrence Seaway has contributed to the economies of the United States of America and Canada. **(6 Marks)**

Explain three ways in which the advantages of water transport differ from those of railway transport.

**(6 Marks)**

d) i) Apart from transportation give three other economic uses of rivers in Africa. **(3 Marks)**

ii) State five factors that hinder the development of river transport in Africa. **(5 Marks)**

# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 10 PAPER 1

Time: 2 ½ Hours

NAME..... INDEX NO.....

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MARKS						

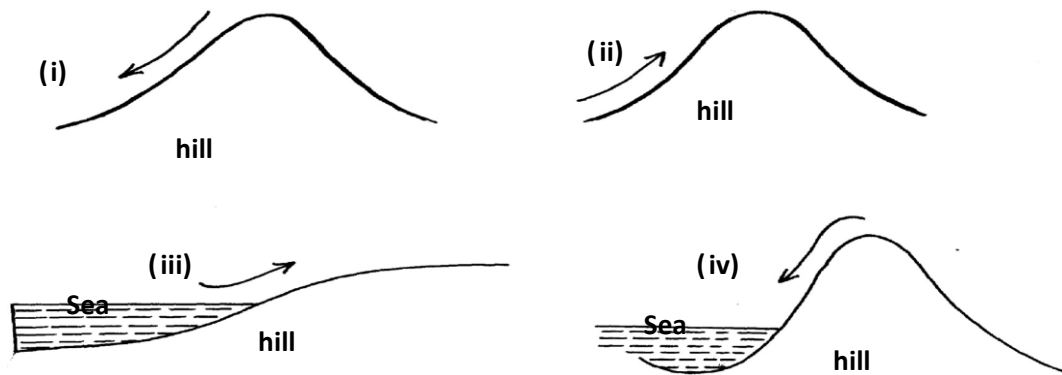
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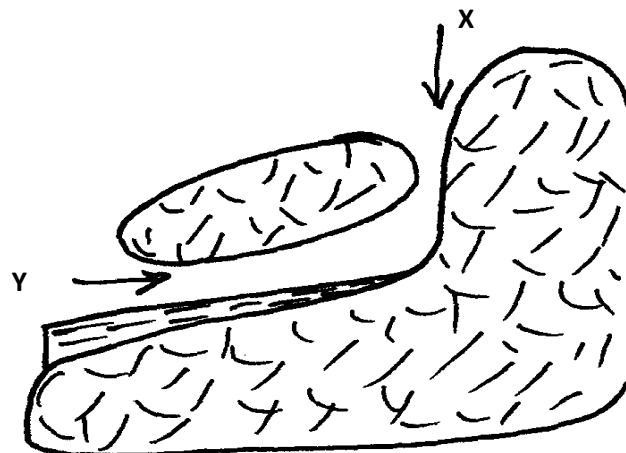
## SECTION A

### Answer All the Questions in This Section

- 1) (a) (i) Name two parts of the earth's crust. (2mks)  
 (ii) State two forces responsible for the spherical shape of the earth. (2mks)  
 Give two reasons as to why the interior of the earth is hot. (2mks)
- 2) (a) Identify the following types of wind. (2mks)



- Describe how the wind system (a) (iii) is formed (2mks)
- 3) (a) Give two differences between acidic lava and basic lava. (2mks)  
 State four ways in which volcanicity has influenced human activities in Kenya. (4mks)
- 4) (a) What is Maraine (1mk)  
 Name two processes of glacial erosion (2mks)  
 Give two erosional feature found in glaciated highlands. (2mks)
- 5) Give two physical processes of weathering that occur as a result of variation of temperature. (2mks)  
 The diagram below represents a coastal land from



**SECTION B**

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

6) (I) study the map of Belgut ( 1,50,000) provided and answer the following questions.

Identify the following

- a. Maganetic declination (1mk)
- b. Map edition (1mk)
- c. (II) Name two man-made features in and square 3658 (2mks)

(b)(I) Draw a cross section from 380490 to 450510 using vertical scale 1 cm represents 40 meters. On it mark and name.

Swamp

All weather loose surface road. (4mks)

(II) Calculate vertical exaggaration. (2mks)

Citing evidence in the area covered by the map extract

Identify two social services carried out in the area covered by the map . (2mks)

Explain three factors that have favoured tea growing. (6mks)

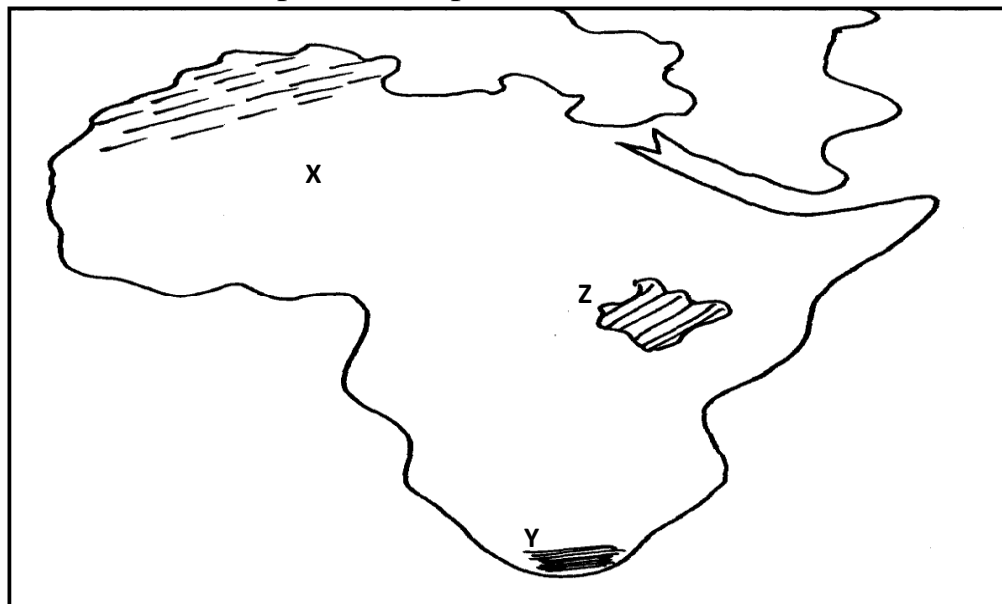
(i) Describe the relief of the area covered by the map. (4mks)

(ii) Students from Kapmaso school in the area covered by the map undertook filed work on drainage.

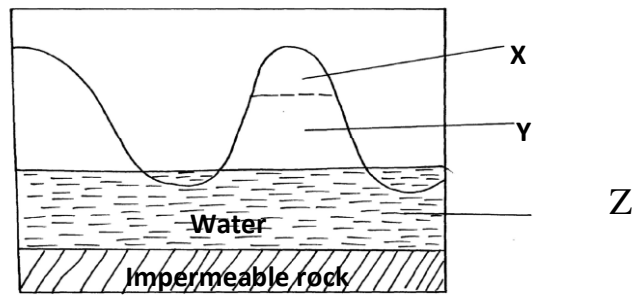
State two drainage features they studied. (2mks)

State one method they used to present their data. (1mk)

7) On the outline map of Africa provided, name the features marked X, Y and Z (3mks)

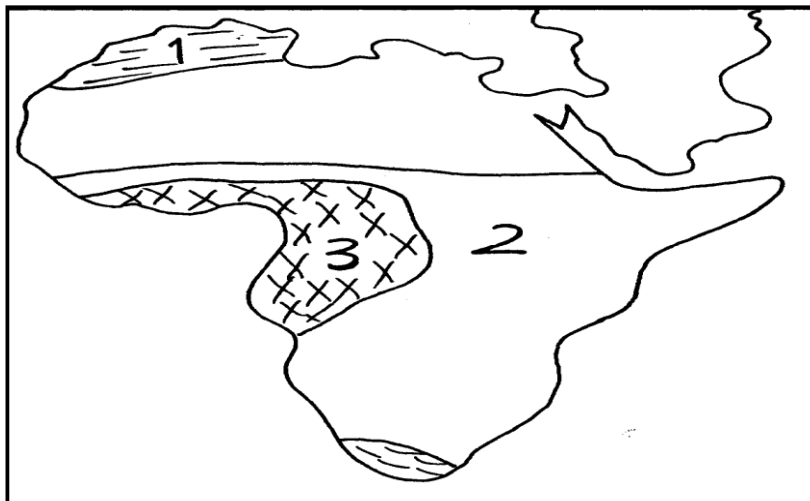


- (i) Name four types of folds. **(4mks)**
- (ii) With the aid of labelled diagrams, describe the formation of fold mountains. **(10mks)**  
 Explain four ways in which fold mountains influence human activities. **(8mks)**
- 8) (a) (i)** Give two processes through which wind erodes the earth’s surface. **(2mks)**
- (ii)** Explain three ways through which wind transports its load. **(6mks)**  
 Describe how the following features found in not deserts are formed.  
 A rock pedestal. **(4mks)**  
 A Zeugen **(4mks)**
- You are supposed to carry out a field study on a desert are in Kenya.  
 List two factors that could have contributed to the development of the desert. **(2mks)**  
 What information would you collect by observation that indicate that the area is a desert. **(2mks)**
- (iii)** State three measures you desertification in the area. **(3mks)**
- (iv)** State two ways through which you would prepare yourself fro the field study. **(2mks)**
- 9) (a) (i)** Difference between a spring and an artesian basin. **(2mks)**
- i. (ii)** Give four conditions necessary for the location of an artesian basin. **(4mks)**
- b. (b) (i)** Explain how the following factors affect the occurrence of underground water:
- i.** Gradient /Slope **(2mks)**
- ii.** Nature of rocks. **(2mks)**
- iii.** Vegetation cover. **(2mks)**
- (ii)** The diagram below shows three Zones of underground water. Name the zones
- iv.** marked X,Y and Z. **(3mks)**



- c. (i) Explain the influence of underground water on human activities. (5mks)
- (ii) Name three types of islands found in oceans (3mks)
- i. (iii) List two features found in the ocean floor. (2mks)

- 10) (a) (i) What is climate. (2mks)
- (ii) Explain how the following factors influence climate.
- a. Ocean currents (2mks)
  - b. Wind/air masses (2mks)
  - c. Latitude (2mks)
  - d. Use the map of Africa below to answer the questions that follow.



- Identify the climatic zones marked 1- 4 (4mks)
- Describe the climate of the belt marked 4. (5mks)

- You are planning to conduct a field study in a nearby weather station.
- State two objectives of your study. (2mks)
  - Name three instruments you would get in the Stevenson's screen. (3mks)
  - What problems are you likely to experience during the study. (3mks)



# KCSE FINAL PREDICTION

## GEOGRAPHY

### TRIAL 10 PAPER 2

Time: 2 ½ Hours

NAME..... INDEX NO.....

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MARKS						

**TOTAL**

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## SECTION A

### Answer All the Questions in This Section

- 1 (a) Name two renewable sources of energy in Kenya. (2mks)  
 (b) List three advantages of electricity over other sources of energy. (3mks)
2. (a) Other than linear settlement give two other types of rural settlements. (2mks)  
 (b) What are the disadvantages of linear settlement. (3mks)
- 3 (a) State three causes of urban- rural migration. (3mks)  
 (b) State the reasons for the rapid population growth in Kenya In the recent years. (2mks)
4. (a) Give two hardwood species in Kenya . (2mks)  
 (b) Outline three characteristics of softwood forests in Canada (3mks)
- 5 (a) Outline three reasons why the Kenya Government is encouraging foreign investors to establish industries in Kenya. (3mks)  
 (b) What two problems face Jua-Kali artisans in Kenya. (2mks)

## SECTION B

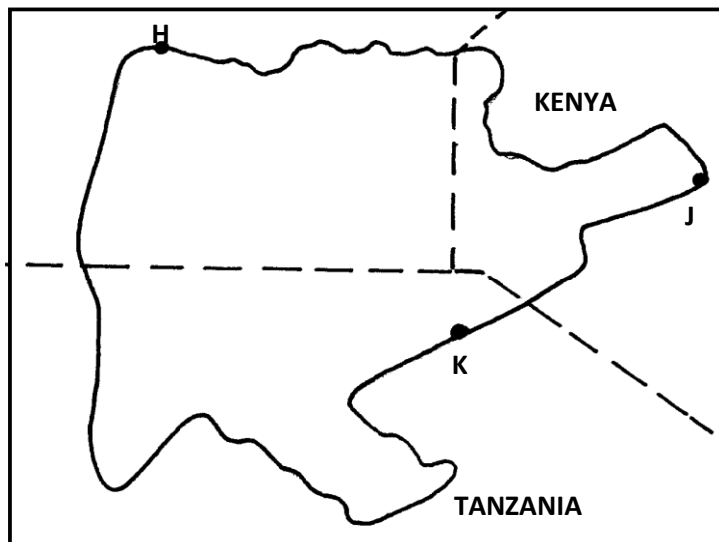
### *Answer question six and Any two other question from this section.*

6. The table shows Uasin Gishu production of selected crops in 1997 and 1998 in tones.

Crop	1997	1998
Tea	35,000	31,000
Coffee	32,000	24,000
Wheat	25,000	15,000
Maize	68,000	20,000

- (i) Draw proportional circles for the production. Use the square roots methods and show your working. (10mks)  
 State two disadvantages of using proportional circles to present statistical data. (2mks)  
 Calculate the percentage decline in wheat production between 1997 and 1998. (2mks)  
 Explain three physical conditions that favour wheat cultivation in Uasin Gishu district. (6mks)  
 Name two provinces where wheat is grown on large scale in Canada. (2mks)  
 Give three factors that favour mechanization of wheat farming in Canada. (3mks)

- 7 (a) (i) what is Agro- forestry (2mks)  
 (ii) Explain three factors that favoured the Growth of natural forests on the slope of M t. Kenya. (6mks)  
 (b) What factors has led to the reduction of mau Forests in Kenya. (5mks)  
 (c) Explain four reasons that has made Kenya Government to conserve Mau Forest. (8mks)  
 (d) Distinguish differences in Forest exploitation between Canada and Kenya, under the following  
 (i) Transportation (2mks)  
 (ii) Tree species (2mks)
- 8 (a) (i) Define the term Eco-tourism (1mk)  
 (ii) Name two tourist attractions found in the Rift valley province of Kenya (2mks)  
 (b) Explain four factors which have hindered the development of domestic tourism in Kenya (8mks)  
 (c) Explain three problems experienced by the Kenya government in its effort to converse wildlife (6mks)  
 (d) Explain four factors that makes Switzerland a major tourist centre in the world (8mks)
- 9 (a) Name three major exporters of beef in the world market (3mks)  
 (b) Explain four measures the Kenya government has taken to improve beef farming in the country. (8mks)  
 (c) Explain four problems limiting beef farming in Kenya (8mks)  
 (d) Give six factors that have favoured the development of beef farming in Argentina (6mks)
10. Use the sketch map of Lake Victoria below to answer the question (a)



Name the Lake ports H, J, K.

Give two main reasons why traders at the port of Kisumu prefers to use containers while handling their goods. **(2mks)**

A parent from the production which of HEP, list four economic uses of rivers in Africa **(4mks)**

Explain five problems which face river transport in Africa. **(10mk)**

Explain three factors which made road transport in Africa than railway transport. **(6mks)**

# **THE END**

**THIS IS THE 1<sup>st</sup> SERIES OF FINAL  
KCSE PREDICTION GEOGRAPHY  
EXAMINATIONS TRIALS**

**A SET OF POSSIBLE KCSE QUESTIONS**

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- ✓ **CROSSCOUNTRY PREMOCKS**
- ✓ **JOINT PREMOCKS**
- ✓ **KCSE MOCKS**
- ✓ **CROSSCOUNTRY MOCKS**
- ✓ **JOINT MOCKS**
- ✓ **KCSE POSTMOCKS**
- ✓ **CROSSCOUNTRY PREDICTIONS**
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- ✓ **MWALIMU MOCKS SERIES**
- ✓ **NATIONAL SCHOOLS MOCKS**
- ✓ **SUBJECTS JOINT MOCKS**
- ✓ **JOINT PREMOCKS**
- ✓ **CBC RESOURCES**

- ✓ KASNEB RESOURCES
- ✓ COLLEGE MATERIALS
- ✓ UNIVERSITY EXAMS

**CALL/TEXT/WHATSAPP**

**0746 222 000**

***[mwalimuagency@gmail.com](mailto:mwalimuagency@gmail.com)***

**TO ALL KCSE  
CANDIDATES;**

**SUCCESS IN YOUR KCSE EXAMS.**

**BY; MWALIMU AGENCY TEAM.**



## **CAUTION TO KCSE CANDIDATES:**

**IN THE EVENT YOU REALIZE PART/ALL OF  
THESE QUESTIONS WERE DIRECTLY OR  
INDIRECTLY LIFTED IN THE FINAL KCSE  
EXAMS, PLEASE, DO NOT PANIC!**

**KILA LA HERI**

***success***