GEOGRAPHY KCSE TRIALS

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

For answers,prefer calling Mdm.Mariam-0746711892



For marking schemes,prefer calling Mdm Mariam-0746711892

312/1/2 -GEOGRAPHY - Paper 1&2

KCSE PREDICTION 1 .

PAPER 1

Sec. A. 25 MARKS

1. (a) What is Weather? (2mks)
(b) Give three main methods of forecasting weather. (3mks)
2. a) Differentiate between Latitude and Longitude. (2mks)
(b) The Local time at town x which is on longitude 30°E is 10.30 A.M. What will be the Local time at town Y which is on Longitude 15°W(3mks)

3. (a) What is natural vegetation? (2mks)
(b) Give three characteristics of Mediterranean vegetation (3mks)
4. (a) Define the term soil. (2mks)
(b) Give **three** factors that determine soil leaching. (3mks)
5. Give **five** conditions that favour the growth of coral. (5mks)

SECTION B

Answer question six and any other two questions in this section

6. Study the map of **Taita Hills 1:50,000 (Sheet 189/4)** provided and answer the following questions.
a) (i) What is the name given to this type of a map. (1mk)
(ii) Give the title of this map. (1mk) b) (i) Give the longitudinal extent of the area covered by the map. (2mks) ii) Calculate the area covered by the Ronge Forest. (2mks c) (i) Give **3** physical features found at grid square **2318**. (3mks) (ii) What is the bearing of point **230300** from the air photo principal point at grid square **2226**.
(iii) Describe the distribution of settlements in the area covered by the map.(5mks)
di) (i) Using a vertical scale of 1cm represent 100 metres draw a cross-section along the line connecting point 280140 and point 370140. (4mks)

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(ii) On the cross-section mark and label the following.

- Hill (1mk)
- River (1mk)
- All weather road:- bound surface. (1mk)

(iii) Calculate the vertical Exaggeration of the cross-section. (2mks)

7. a) (i) What is Solar system (2mks)
(ii) Give **three** components of the Solar system. (3mks) b) State **Five** characteristics of the sun (5mks) c (i) What is the name used to describe the shape of the earth. (1mk) (ii) Give the **three** forces that contribute to the shape mentioned above. (3mks)
(iii) State **Four** effects of the rotation of the earth. (4mks) d) Describe the structure of the earth crust. (7mks) 8. (a) (i) What is desertification? (2mks)

(ii) Name **three** types of desert surfaces (3mks)
(b) Describe the **three** processes through which wind transports its load. (6mks) c) Using a well labeled diagram, describe how a mushroom block is formed. (6mks)

d) Explain **four** ways through which desert features influence human activities.(8mks)

9. (a) (i) What is magma? (2mks) (ii) Name **Four** types of magma. (4mks)
(b) Briefly describe how the following features are formed.
(i) Geyser (5mks)
(ii) Lava Plateau. (5mks)
(c) Explain two ways in which Volcanic Mountains positively influence human activities.
(4mks)
(d) Students carried a field study on volcanic rocks.
(i) Give **two** methods they would have used to collect data.(2mks
(ii) State **three** problems that they are likely to have experienced during the field study. (2mks)

10. a) i) Differentiate between an ice berg and an ice sheet. (2mks)
(ii) Identify **Four** ways through which ice moves
(b) Describe the following processes of glacial erosion
(i) Plucking (4mks ii) Abrasion (3mks) c) Describe how a glacial trough is formed. (5mks)

d. Students of Gatunguru secondary school carried out a field study on glaciation on Mt. Kenya.
(i) Give **three** reasons why they conducted a reconnaissance (3mks)
ii) Give **three** activities they may have been involved in during the study. (3mks
iii) Formulate **one** hypothesis that would have been relevant for study. (1mk)

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PAPER 2

SECTION A (25 MARKS)

1 (a) State two formations in which mineral ores occur. (2 marks)

(b) Describe three negative effects of open cast mining on the environment. (3 marks)

2 (a) What is agro-forestry? (2 marks)

(b) Give three reasons why afforestation is being encouraged in Kenya. (3 marks)

3 (a) List two physical factors that influence palm oil growing in Nigeria (2mks)

(b) Name three pests facing tea farming in Kenya (3mks)

4 (a) Give two documents from where information on population data is obtained.

(2 marks)

(b) Give three negative effects of low population growth in a country. (3 marks)

5 (a) What is visible trade? (2 marks)

(b) State three ways in which trade is of significance to Kenya. (3marks)

SECTION B (75 marks)

(Answer question 6 and any other two questions from this section)

6 The table below shows the number of tourists who visited Kenya from various parts of the world in 2005 and 2006.Use it to answer questions (a) and (b).

Place of origin	2005	2006
Europe	942000	965000
Africa	120000	154000
Asia	97000	128000
North America	94000	103000
Australia and New Zealand	19000	24000
All other countries	29000	41000
Total	**1301000**	**1415000**

(a) (i) Which continent had the highest increase in the number of tourists visiting Kenya between 2005 and 2006? (1 mark)

(ii) Calculate the percentage increase of the number of tourists From Australia and New Zealand between 2005 and 2006 (2 marks)

(iii) Draw a divided rectangle 15cm long to represent the number of tourists that visited Kenya in 2006.Show your calculations. (10 marks)

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(c) (i) State three advantages of using divided rectangles to represent geographical data. (3 marks)

(ii) Give four reasons why in 2005 and 2006 there were more tourists from Europe compared to those from other parts of the world. (4 marks)

(d) Give five reasons why domestic tourism is being encouraged in Kenya. (5 marks)

7 (a) (i) Name three fresh water fisheries in Uganda. (3mks)

(ii) Explain four reasons why fresh water fisheries are more popular than marine water fisheries in East Africa (8mks) (b) (i) Identify three types of fish caught in Japan. (3mks)

(ii) Explain three problems facing fishing in Japan (6mks)

(c) Compare fishing in Kenya and in Japan (5mks)

8 (a) i. State two factors that favour the development of seaport (2mks)

ii. Give three limitations of air transport (3mks)

(b) Describe the role played by 'matatu' transport in the economic development of Kenya (6mks)

(c) (i) Explain three measures the Kenyan government has taken to reduce road accidents in the country (6mks)

(ii) Give three benefits Kenya will get from the construction of the standard gauge railway (3mks)

(d) Your class intends to visit the Thika super highway to observe traffic flow.

(i) State two preparations you would make for the study (2mks)

(ii) Identify three problems you are likely to encounter during the study (3mks)

9 (a) Name three agricultural food processing industries in Kenya.

(3 marks)

(b) Explain how the following factors have favored the development of industries in Thika town:

-Proximity to Nairobi. (2 marks)
-Availability of water. (2 marks)
-The hinterland. (2 marks)

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(c) Explain four ways in which Kenya has benefited from industrialization. (8 marks)

(d) (i) Name two towns in Kenya where motor vehicle assembling plants are located. (2 marks)

(ii) Explain three factors which have favored the development of car manufacturing industry in Japan. (6 marks) 10 (a) (i)

Name two non- renewable sources of energy. (2 mks)

(ii) Explain four physical factors that influence the location of a hydro-electric power station. (8mks)

(b) Apart from generating HEP, give three other benefits that have resulted from the construction of Masinga Dam. (3 mks)

(c) State three problems facing hydroelectric power projects in Kenya. (3 marks)

(d) Explain three benefits that would result from rural electrification in Kenya. (6 marks)

(e) In what three ways does the power shortages resulting from drought affect the industrial sector in Kenya. (3 marks)

KCSE PREDICTION 2 .

PAPER 1 -

SECTION A

Answer all questions in this section

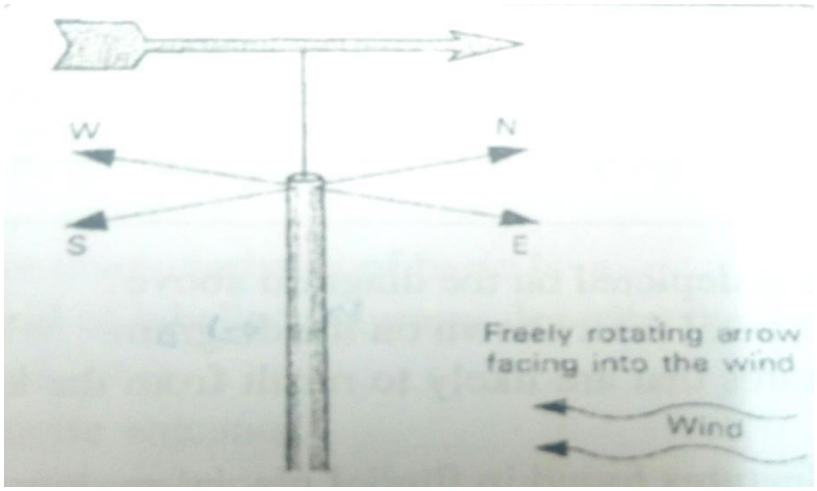
1. a) What is geography? (2marks)

(b) Name the **two** types of environment.
(2marks)

2 .Give **three** proofs that the earth is almost spherical in shape. (3marks)

3. Use the diagram below to answer questions (a) below.

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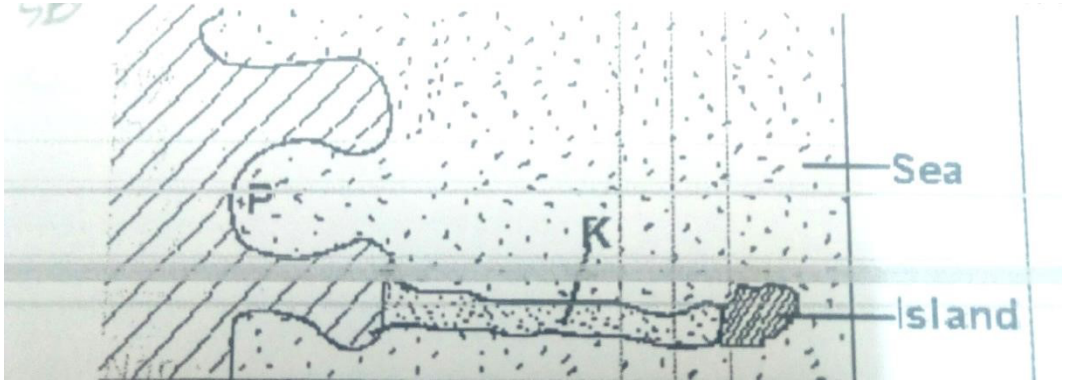
a.(i) Name the weather measuring instrument shown in the diagram. (2marks)

(ii) State the element of weather measured by the instrument named in a. (i) above. (2marks)

(iii) From the diagram, which direction is the wind blowing. (2marks)

b.Differentiate between absolute humidity and relative humidity. (2marks)

4. The diagram below shows a coastal landform.



(a) Name the features marked **P** and **K**. (2marks)

(b) List down **three** types of ocean tides. (3marks)

5 (a) Name the types of earth movements that occur within the earth's crust. (2marks)

(b) Describe the origin of continents according to the theory of continental drift. (3marks)

SECTION B

Answer question 6 and any other two from this section.

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6. Study the map of **Taita Hills (1:50,000 (189/4)** provided and answer the questions that follows

a (i) Identify the Province and the District shown on the map.

(2marks) (ii) Which **two** methods of showing relief have been used in the map?

(3 marks)

b. (i) Calculate the area covered by Ronge forest.

(2marks) (ii) Give **two** natural features found in the grid square 3419.

(2marks)

(iii) Calculate the bearing of the church in grid square **3218** from the school in grid square **3522**. (2marks)

c. (i) Using a vertical scale of **1cm** to represent **100Metres**, draw a cross section between Grid reference 300190 and grid reference 360190. (4marks)

(ii) On the cross section, mark and label the following features; (4 marks) i. A hill

ii. A river
iii. Thicket
iv. Main track (motorable)

(iii) Calculate the vertical exaggeration of the cross section. (2marks)

(d) Citing evidence from the map, explain two factors influencing the distribution of settlement in the area covered by the map. (4 marks)

7. a. (i) Name **three** types of faults. (3marks)

(ii) Apart from compressional forces, describe **two** other processes that may cause faulting. (4 marks)

b. With the aid of diagrams, describe how compressional forces may have led to the formation of the Great Rift Valley. (8marks)

c.Explain **five** effects of faulting on human activities. (10 marks)

8.a. (i) Define the term Aridity. (2marks)

(ii) State **three** factors that makes wind an effective agent of erosion and deposition in the hot deserts. (3 marks)

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(b) Describe how a rock pedestal is formed. (5 marks)

(c) Explain **four** significance of desert features to human activities. (8 marks)

(d) A group of form **four** students went out for a field study on action of water in an arid area.

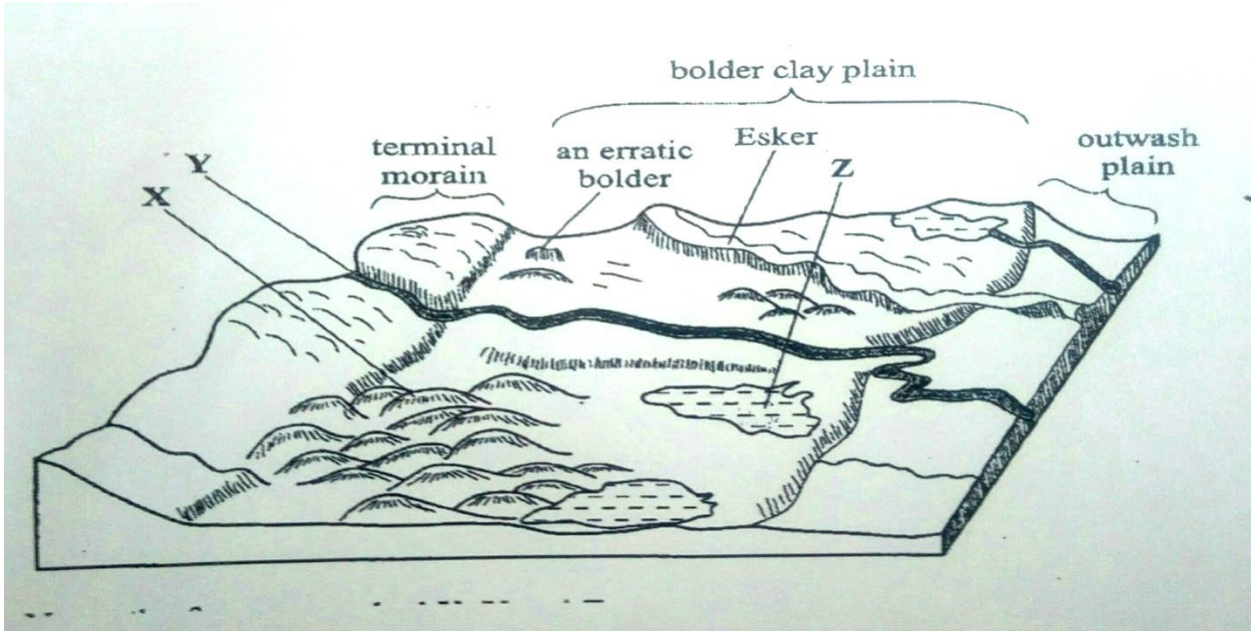
(i) Give **three** methods of data collection they may have used. (3 marks)

(ii) State **four** problems they have encountered during the field study. (4marks)

9 (a) Describe plucking as a process in glacial erosion. (4 marks)

(b) Explain three conditions that lead to glacial deposition. (6 marks)

(c) The diagram below shows features resulting from glacial deposition in a lowland area.



(i) Name the features marked **X, Y**, and **Z**. (3 marks)

(ii) Describe how terminal moraine is formed. (4 Marks)

(d) Explain **four** positive effects of glaciation in low land area. (8 marks)

10. a) What is soil catena? (2 marks)

ii) Draw a well labeled diagram showing the structure of a well-developed soil profile.

(5 marks) b) Differentiate between mineralization and humification in soil

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formation. (2 marks)

c) State **three** factors that determine the color of soil. (3 marks)
d) (i) State **four** factors that influence soil formation. (4 marks)

(ii) Explain how the following farming practices can cause soil degradation:

- Burning. (2 marks)

- Continuous application of fertilizer on farm land. (2 marks)

- Monoculture. (2 marks) iii) State **three** uses of soil. (3 marks)

PAPER 2

1. (a)Define eco-tourism.
(2mks)

(b) State three benefits of eco-tourism.
(3mks)

2. (a) Name **two** counties in Kenya where wheat is grown in large scale.
(2mks)

(b) List **three** problems facing wheat farmers in Kenya.
(3mks)

3. (a) (i) Give **two** types of domestic trade. (2mks)

(b) State**three** factors influencing internal trade in Kenya. (3mks)

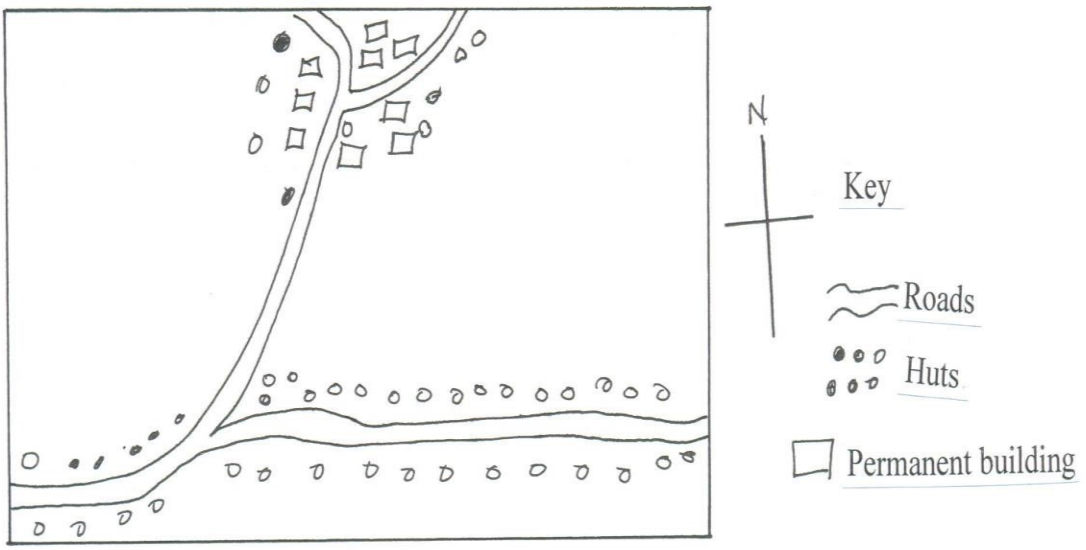
4. (a) Differentiate between environmental management and environmental conservation.

(2mks)

(b) Give **three** natural environmental hazards you know. (3mks)

5(a) Study the sketch map below and answer the questions that follow

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Identify **two** settlement patterns represented by the sketch map.
(2mks)

(b) State **three** causes of rural to rural migration. (3mks)

6(a) The table below shows East Africa's milk production in '000' litres from 1998 – 2001

Country /Year	1998	1999	2000	2001
Kenya	30	41	36	25
Uganda	20	25	27	29
Tanzania	52	60	65	70

(i) Draw a compound bar graph to represent the above data. Use a vertical scale of
1cm represents 10 ,000 litres. (7mks)

(ii) State **two** limitations of compound bar graph in representing data.
(2mks)

(b) (i) Name **three** counties in Kenya where dairy farming is practiced in large scale.
(3mks)

(ii) State **four** similarities between dairy farming in Kenya and Denmark. (4mks)

(c)(i) Mention **three** types of dairy animals reared in Kenya. (3mks)

(ii) Explain **three human** factors favoring dairying in Denmark. (6mks)

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7.(a) (i) Distinguish between transport and communication. (2mk)

(ii) Explain how construction of transport networks is affected by the following factors.

- Relief (2mks)
-Economic factors. (2mks)

(b) (i) State **four** factors that hinder the development of air transport in Africa. (4mks)

(ii) Name **two** canalsthat are found in Africa. (2mk)

(c) State **five** recent developmentthat have taken place in Kenya to improve communication.

(d) Explain **four** ways in which transport and communication has improved economic development in Africa. (8mks)

8.(a) (i) What is fishing? (2mks)

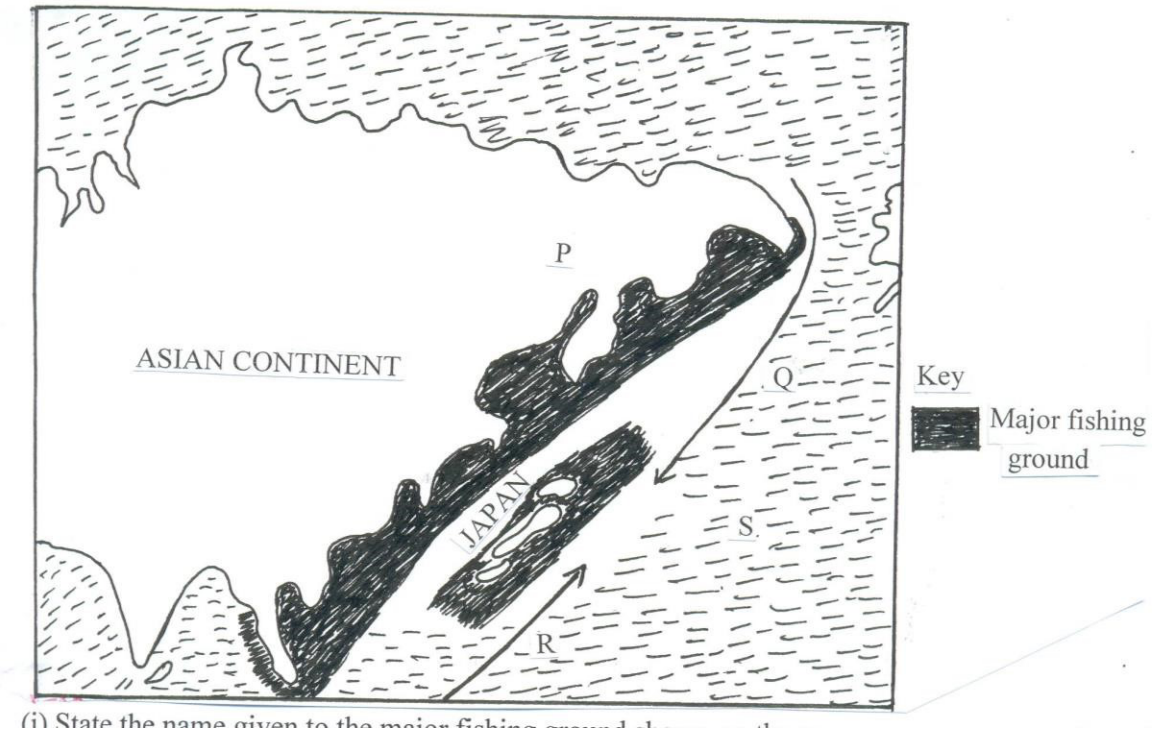
(ii) Explain **three** ways in which the nature of coastline affects fishing. (6mks)

(b) (i) State **three** types of fishing carried out in Kenya. (3mks)

(ii) Describe seining as a modern method of fishing. (3 mks

(c)The map below shows the fishing ground East of the Asian Continent. Use it to answer thequestions that follow.

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(i) State the name given to the major fishing ground shown on the map. (1mk)

(ii) Identify the ocean currents marked **Q** and **R**. (2mks)

(iii) Explain **four** factors that havefavoredfishing in the ground mentioned in (i) above. (8mks)

9(a) (i) Apart from those in EastAfrica, name **four** large scale H.E.P projects in Africa (4mks)

(ii) Other than water, give **three** other sources of renewable energy. (3mks)

(b) Explain **four** factors that have hindered full development of H.E.P production in Kenya

(8mks)

(c) Mention **four** areas in Kenya with high potential for Geothermalpower.

(4mks)

(d) A form four class in Machakoscountyis planning a field study to Gitaru H.E.P. dam.

(i) State **three** reasons why they need to inform the school authority. (3mks)

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(ii) Give **three** follow-up activities they engaged in school after the study. (3mks

10. (a) i) What is industrialization? (2 mks)

ii) Explain**three** reasons why some industries consider regular supply of water as the main reason for their location. (6 mks)

(b) Outline **four** similarities between Jua Kali industry in Kenya and cottage industry in India. (4 mks)

(c) Explain **three** factors that have influenced the location of iron and steel industry in the Ruhr region of Germany in the 19th century. (6 mks)

(d) You intend to carry out a field study in Thika industrial area.

i) State **four**effects of the industries on the environment you are likely to observe.(4mks)

ii) State **three** reasons why it is important to prepare a working schedule for the study.

(3mks)

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KCSE PREDICTION 3 .

PAPER 1

1. a) State three reasons why we study Geography. (3mks

b) Give two forces that are responsible for the shape of the earth. (2mks

2. a) What is the effect of crossing the international date line from west to east. 2mks

b) State three reasons why the interior of the earth is still hot. (3mks

3. a) Differentiate between river rejuvenation and river capture. (2mks

b) State three conditions for river capture to occur. (3mks

4. a) State two causes of soil creep. (2mks

b) Name three types of land slide. (3mks

5. a) Define the term mineral. (2mks

b) Outline three differences between volcanic and plutonic rocks. (3mks

SECTION B ANSWER QUESTION 6 AND ANY OTHER TWO QUESTIONS FROM THIS SECTION

6. Study the map of Taita hills 1:50000 sheet 189(4) provided and answer the following questions.

a (i) State the longitudinal extent of the area covered by the map. (2mks

(ii) Calculate the magnetic variation. (2mks

b) i) Draw a cross section between grid 310 140 to 390 140. (4mks

Mwatunge hill

Sisal estate

Road bound surface (3mks

Use a vertical scale of 1cm rep. 20m ii) Calculate vertical exaggeration of your cross section. (2mks c) i) Describe drainage of the area covered by the map. (5mks

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d) i) State two evidences for wet climate in Taita hills. (2mks

ii) Mention three ways in which relief has been represented on the map.

iii) Give two types of settlement patterns found on the map. (2mks

7. a) i) State three characteristics of ITCZ.

ii) Describe how the following factors influence climate.

Configuration of the coastline. (2mks

Distance from the sea. (2mks

b) i) Name the temperate grasslands in the following regions.

Argentina
South Africa
Australia
Europe

c) Explain three ways in which the coniferous forests have adapted to the climatic conditions.

d) Students of Bujumba AC carried out field work in a marginal areas experiencing

desert encroachment.

i) State two objectives for the study. (2mks

ii)How did they record their findings in the field. (3mks

iii) Describe three findings on the cause of encroachment. (3mks 8.

a) Identify two features formed by vertical earth movement.

(2mks

ii) Explain how the following factors cause earth movements.

- Gravitative pressure. (2mks
- Isostatic adjustment. (2mks

b) Describe the plate tectonic theory.
(5mks

c) i) What is faulting. (2mks

ii) Draw the diagram of a normal fault on it name and mark.

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Hade (2mks

iii) A part from the above fault name two other types of faults.
(2mks
d) Explain four ways in which faulting influences drainage.
(8mks

9. a) ii) Define the term desert. (2mks

iii) Mention two desert landscapes.

(2mks b) i) Explain two ways how wind transports it's load.

(4mks ii) Describe how a barchans is formed.

(7mks

c) i) State three reasons why wind action is pronounced in hot regions than in cold regions.(3mks
ii) Differentiate between mesas and buttes.
(2mks d) Give five positive effects of desert features to man.
(5mks

10. a) Distinguish between glacial till and fluvio-glacial till. (2mks b) Explain three factors that determine the rate of ice movement. (6mks c) i) Mention four depositional features of glaciation. (4mks

ii) Describe how the following features are found.

Moraine – dammed lake. (4mks

Outwash plain. (4mks d) You carried out fieldwork on a glaciated area. i) Mention two methods of data collection you used. (2mks

ii) State one negative effect of glaciation. (1mk

iii) Give two follow up activities that you carried out. (2mks

<u>PAPER 2</u>

SECTION A

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

1. (a) State three ways in which minerals occur (3 mks)

(b) Name any two types of underground mining (2 mks)

2. (a) What is a forest (1 mk)

(b) State any two characteristics of the tropical hardwood forests. (2 mks)

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(c) State two main species of softwood trees mainly grown in Canada. (2 mks)

3. (a) State one major characteristics of non-renewable energy sources. (1mk)

(b) Name any two non-renewable energy sources. (2mks)

(c) State any two effects of charcoal burning in the environment. (2mks)

4. (a) What is a trading bloc. (2mks)

(b) State any three factors influencing trade. (3mks)

5. (a) Name any two pre- historic sites that are popular with tourists in Kenya. (2mks)

(b) State the three agencies set up by the three governments of East Africa countries to manage the game parks and take care of the wildlife. (3mks)

SECTION B

Answer question (6) compulsory and any other two questions.

6. The table below shows the population for the three district of Trans–Nzoia County.

DISTRICT	2008	2009	2010	2011
TRANS-NZOIA WEST	150	175	180	200
TRANS-NZOIA EAST	25	30	25	28
KWANZA	10	20	30	32

Note

Population in

(a) (i) U sing the above information, construct a compound bar graph. Use a scale of 1cm Represent 25,000 people use the graph paper provided. (9mks)

(ii) Draw any two conclusions from the bar graph you have constructed (2mks)

(b) Explain three factors causing internal migration in Kenya. (6mks)

(c) (i) Explain three factors leading to slow population growth in some parts of East Africa. (6mks)

(ii) State any two importance of a high population in a country. (2mks)

7. (a) (i) Name 2 major towns found in the oil palm growing areas in Nigeria. (2mks)

(ii) Explain four physical features favouring oil palm growing in Nigeria. (8mks)

(b) Describe the steps involved in the processing of oil palm from the time is

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harvested. (8mks)

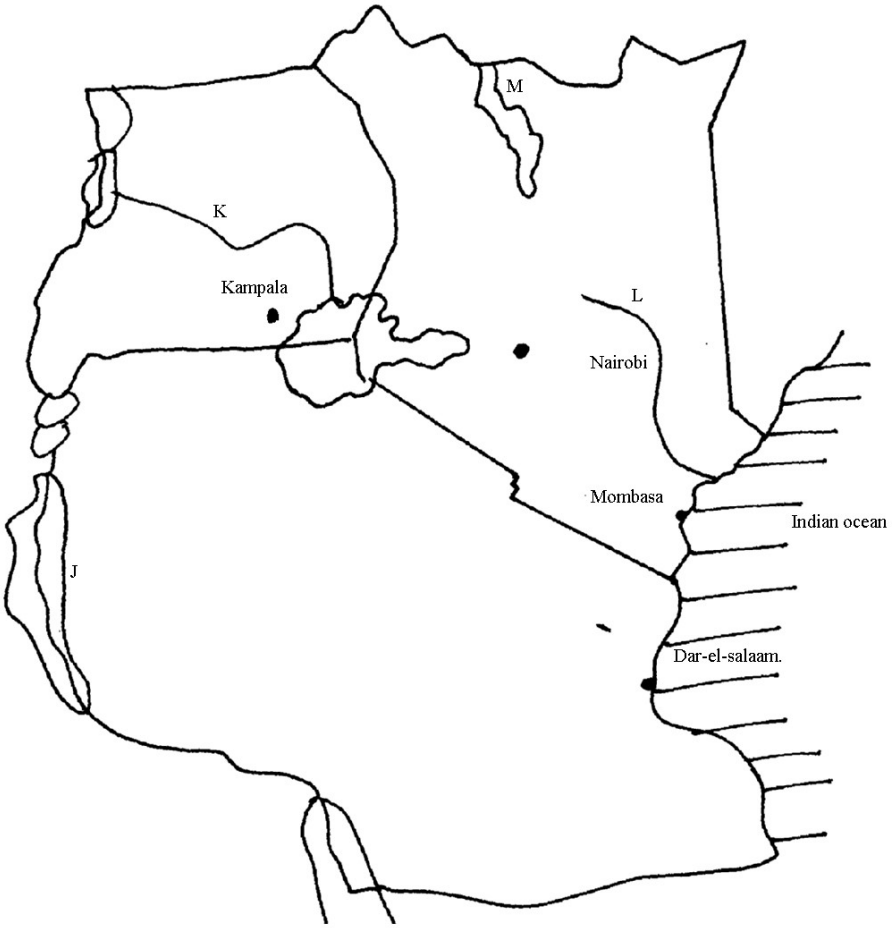
(c) (i) State four problems facing oil palm farmers in Nigeria. (4mks)

(ii) List three uses of oil palm. (3mks)

8. (a) (i) What are pelagic fish (1mk)

(ii) Give two examples of pelagic fish (2mks)

(b) The map below shows fishing grounds in East Africa. Use it to answer the questions that Follows



(i) Name the fishing grounds marked J, K, L and M. (4mks)

(ii) Explain the solutions to any four problems facing Inland fishing in East

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Africa. (8mks)

(c) Explain three factors why the Namibian Coast fishing ground is not well developed like other major fishing grounds in the world. (6mks)

(d) Compare fishing in Kenya and Japan under the following sub-headings.

(i) Market. (2mks)

(ii) Nature of landscape. (2mks)

9. (a) (i) Define land Rehabilitation (2mks)

(ii) State four benefits of land Rehabilitation in Kenya (4mks)

(b) (i) Explain four factors that led to the successful establishment of Pekerra irrigation scheme (8mks)

(ii) State three problems facing Pekerra irrigation scheme (3mks)

(iii) List four main crops grown in Pekerra irrigation scheme (4mks)

(c) State four advantages of irrigation farming to the economy of Kenya. (4mks)

10. . (a) i) Differentiate between market gardening and floriculture. 2mks

(ii) State four features of horticulture. 4mks

i) State three physical factors that favour development of horticulture in Kenya. 3mks

ii) Explain why horticulture is more developed in Netherlands than in Kenya. 8mks c) State and explain four contributions of horticulture to the economy of Kenya. 8mks

KCSE PREDICTION 4 .

PAPER 1

SECTION A

Answer all the questions in this section.

1. (a) List down two isothermal layers of the atmosphere. (2 marks) (b)State any three characteristics of the lowest layer of the atmosphere. (3marks)

2. (a) Differentiate between faulting and folding (2 marks)

(b) Apart from Fold Mountains name three other land forms resulting from folding (3 marks)

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3. (a) What is Mass wasting? (2 marks)
(b) State three economic benefits of the weathering process. (3 marks)
4. (a) What is soil degeneration? (2 marks)
(b)Identify three types of soil degeneration. (3 marks) 5. (a) Name the type of delta found at the mouth of:

(2 marks)

(i) River Nile.
(ii) River Omo.

(b) State one effect for each of the following types of river erosion. (3 marks)

(i) Headward erosion.
(ii) Lateral erosion.
(iii)Vertical erosion

SECTION B

Answer question 6 and any other two questions

6 Study the map of Taita Hills 1:50000 (sheet 189/4) provided and answer the questions that follow.

a. (i) Calculate the area (in square kilometers) enclosed by the railway line to the south Eastern part of the area shown. (2 marks)
(ii) Give the four figure grid reference of the school at Mrabenyi. (1mark)
(iii) Identify the adjoining sheet number to the south East of Taita Hills. (1mark)
(iv) Name the vegetation type in grid square 3314. (1mark)

b. (i) Citing evidence from the map, give **two** economic activities carried out in the area covered by the map. (4marks)
(ii)Briefly explain three factors influencing the distribution of settlement in the mapped area. (6marks)

c. (i) Using a vertical scale of 1cm to represent a 20 meters draw a cross-section along
northing 15 and between easting 31 and 39 (5marks)

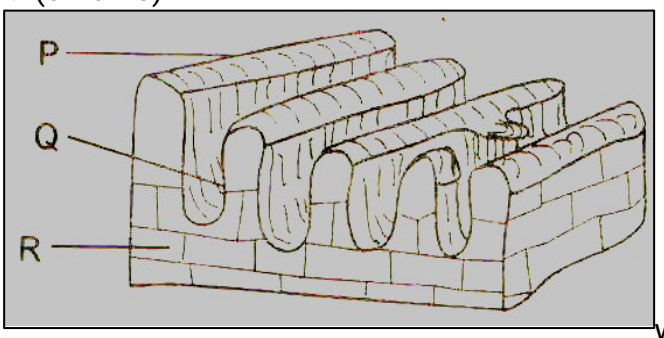
(ii) On the cross-section; mark and label. (3marks)
Road C104
Railway line.
Hill

(iii) Calculate the vertical exaggeration for the cross-section. (2marks)

7. (a) (i) State four factors which influence the development of karst landforms. (4marks)

For marking schemes,prefer calling Mdm Mariam-0746711892

(ii) The diagram below shows some surface features in a karst region. Name the features
marked P, Q and R. (3marks)



(b) Using a well labeled diagram describe the occurrence of an artesian basin. (6marks)

(c) Give three reasons why there are few settlements on a Karst landscape. *(6marks)*

(d) Form four students of your school undertook field work on a karst landscape.

(i) State two objectives of their study. (2marks)

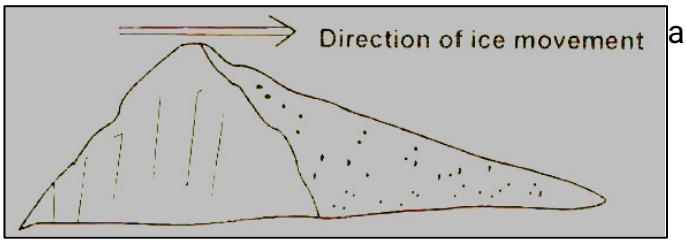
(ii) Prepare a simple working schedule for the field study. (4marks)

8. (a) Define the term glacier (2marks)

(b) Explain three ways in which glaciation negatively influence the human environment (6marks)

(c) With the aid of well labeled diagrams describe the formation of a cirque. (7marks)

(d)The figure below shows a feature formed in a glaciated landscape. Use it to answer the questions that follow.



(i) Identify the feature. (1mark)

(ii) Describe how the above feature is formed. (4mark)

(e) The form four class planned to conduct a field study on glaciation in Mount Kenya

(i)Identify any two types of moraines they are likely(2marks)

(ii)State any three problems they are likely to encounter(3marks)

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9.(a)(i) Explain three factors that influence distribution of vegetation in Kenya(6marks)
(ii) State three major vegetation zones in Kenya. (3marks)
(b)(i) Describe any four characteristics of the tropical rainforests.
(4marks) . (ii) Give four factors that limit the exploitation of tropical rainforest in Africa. (4marks)

(c) What is climax vegetation? (2 mark)

(d) Explain three factors that have led to a decline of natural grassland in Kenya(6 marks)

10. (a) (i) Define the term Aridity.(2 marks)
(ii) With the aid of well labeled diagrams describe how a rock pedestal is formed (5marks)
(b) Your class intends to carry out a field study in an arid area near your school.

(i) How would you prepare for the field study? (3 marks)
(ii) What are the advantages of studying aridity through field study? (3marks)
(iii)What advice would you give the residents of the area on curbing the spread of Aridity
and desertification? (4marks)
(iv) Name two main wind depositional features they are likely to have identified. (2 marks)
(c)Explain three physical factors causing aridity and desertification. (6marks)

PAPER 2

1a) What is a game sanctuary (1mks)

b) Name two game sanctuaries in Kenya (2mks)

2a) List three documents that provide information on population data

(3mks) b) What information is delivered from a population pyramid

(3mks)

3a) State three reasons why the use of plastics is being discouraged in Kenya

(3mks) b) State two reasons for urban-rural migration (2mks)

4a) Define the term energy (2mks)

b) Outline three factors that favor the location of a hydro-electric power station (3mks)

5a) Name three types of settlement patterns (3mks)

b) Outline three physical factors that influence the location of a settlement (3mks)

SECTION B

The data below shows cattle population in major countries of the World by percentage of the World total.

For marking schemes,prefer calling Mdm Mariam-0746711892

Country	%
India	20
U.S.A	15
Denmark	12
Brazil	10
China	10
Argentina	9
Australia	8
France	6
Ethiopia	5
Other	5

A (i) Draw a divided rectangle 10cm long to represent the cattle population in various countries given in the data above (9mks) ii) State two advantages of using divided rectangles to represent geographical data (2mks) b) (i) What is nomadic pastoralism (2mks)

(ii)Describe the characteristics of nomadic pastoralism in Kenya (4mks)
(iii) Explain three problems experienced in small scale tea farming in Kenya (6mks)

c) Name two main tea growing areas found to the west of the Rift valley in Kenya (2mks)

7a) Differentiate transport and communication (2mks) ii) State three reasons why road network is more widespread than railway network in East Africa

(3mks)

b) Outline three benefits derived from the construction of Nairobi-Thika super highway. (3mks) ii) Draw a sketch map of the great lakes and St Lawrence Seaway, on it mark and name the following (5mks)

- Lakes Michigan and ontario
- Ports Duluth and Chicago

c) Explain how the following factors hinder transport and communication in Africa (4mks)

d) Explain four benefits of transport in the economic development of Africa. (8marks)

8a (i) Name two countries found in the North West pacific fishing ground

(2mks) iii) Explain four physical factors that favor fishing in the above

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ground (8mks) b) Describe the following methods of fishing

i) Drifting (4mks) ii)

Purseseine (4mks)

c) Compare fishing in Kenya and Japan under the following sub-headings

i) Fishing ground (2mks)

ii) Climate (2mks)

d) State 3 significance of fishing to the economy of Kenya (3mks)

9ai) What is domestic tourism (2mks) ii) State four reason why the government is encouraging domestic tourism (4mks) bi) Apart from establishing national parks and game reserves, outline four ways in which wildlife is being conserved in Kenya (4mks)

ii) State three reasons why national parks and game reserves benefits the local Maasai community (3mks)

iii) Explain three ways in which the Maasai Mara game reserves benefits the local Maasai community (6mks)

c) Explain three ways in which the feature of tourism can be improved in Kenya (6mks)

10Ai) What is industrialization (2mks) ii) State three reasons why some industries consider regular supply of water as the main reason for their location (3mks)

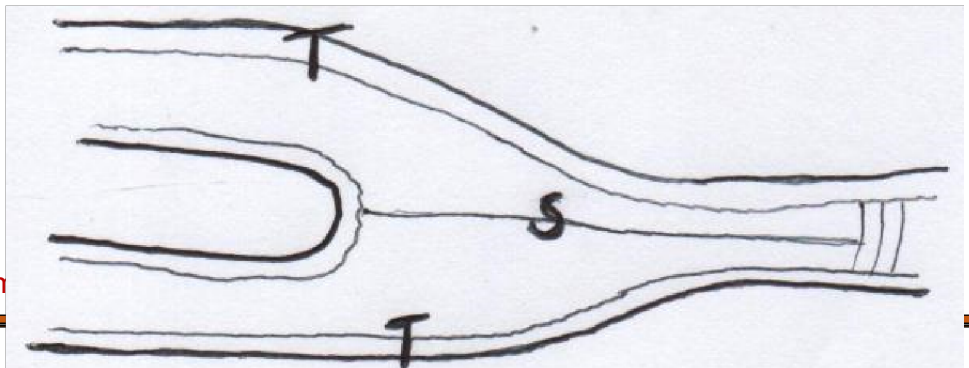
b) Outline four similarities between jua kali industry in Kenya and Cottage industry in India.

(4mks)

c) Explain three factors that have influenced the location of Iron and steel industry in the Ruhr region of Germany in the 19th century (6mks)

d) You intend to carry out a field study of a heavy manufacturing industry.

i) State three effects of the industry on the environment you are likely to observe (3mks) ii) Design a working programme (schedule) you would use during the day of study (4mks) iii) State three reasons why it is important to prepare a working



For m

programme (schedule) for the study (3mks).

KCSE PREDICTION 5 .

PAPER 1

SECTION A (25MKS)

Answer all the questions in this section

1. a) Define the term solar system (2mks)

   b) Give any **three** theories explaining the origin of the solar system (3mks)

2. i) What is faulting (2mks)

   ii) Mention any **three** types of faults (3mks)

3. i) Define a glacier (2mks)

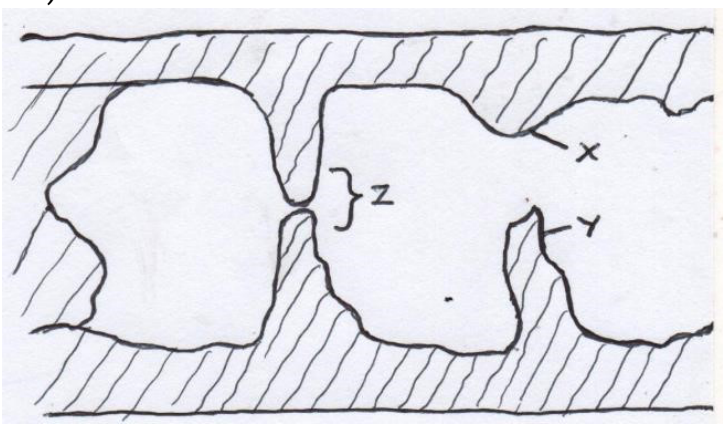
   ii) The diagram below shows types of moraines in a valley glacier (3mks)

V

Name parts V, T & S

4. State **five** conditions necessary for the formation of a beach (5mks)

5. a) Study the diagram and answer the following questions. (3mks)



Name parts X, Y &Z

b) State any **two** conditions necessary for development of Karst scenery (2mks)

SECTION B

Answer question 6 and any other two questions from this section

6. Study the map of Taita Hills 1:50,000 (Sheet 198/4) provided and answer the following questions.

   a) i) Give the **four** figure grid reference of L.R 3880/s (2mks)

   ii) What is the general direction of R. Ruhiaa tributary of R. vol (Goshi) (2mks)

   b) i) Give the adjoining sheet of Taita Hills on the North Coast part of the map. (2mks) ii) Measure the length of the Bound surface Road A23 from Mwatake to LC

   (Level Crossing) (2mks)

   iii) Calculate the area of the forest covering Shellemba and Majengo Zones (3mks) iv) Citing evidence from the map, identify three economic activities carried in the area

   (6mks)

   c) Citing evidence from the map, explain any **four**factors that may have influenced Agricultural activities in the Area

   (8mks)

7. a) Define the term Vulcanicity? (2mks) b) Distinguish Extrusive and intrusive vulcanicity (4mks)

   c) Give any **three** resultant features due to intrusive vulcanicity (3mks)

   d) Describe the continental drift theory (3mks)

   e) i) State **two** artificial causes of earth movements (2mks) ii) Explain any **three** significance of vulcanicity to human activities. (8mks)

8. a) What is climate? (2mks)

   b) Explain the factors influencing climate under the following sub-headings:

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i. Latitude (5mks) ii. Altitude (4mks) iii. Ocean currents (4mks)

d) i) Distinguish Aridity and desertification.

(2mks) ii) State any **four** causes of aridity and desertification together with their possible solutions

(8mks)

9. a) Name **two** ways of water movement in Oceans (2mks) b) List any **four** types of tides (4mks)

c) State **four** factors that influence wave transportation (4mks)

d) Yururugirl's school, form 4 Geography class carried out a field study at a wave deposition site at the coast of Mombasa.

i. List any **four** wave depositional features they might have observed. (4mks) ii. Explain any **two** factors influencing the type of coast they might have studied. (4mks) iii. Give any **three** benefits they might have enjoyed due to conducting reconnaissance to their place of study

(3mks)

iv. List **two** ways the learners might have used in collecting the data

(2mks)

v. Mention any **two** types of coral reef they might have studied during the period of their study (2mks)

10. a) Name t**hree** major deserts found in:

i. Africa (3mks)

ii. Give **two** processes in which wind erodes the earth's surface (2mks)

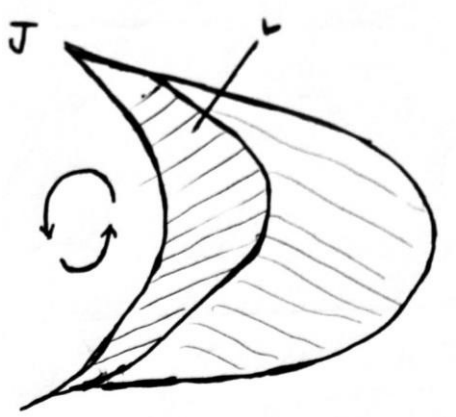
iii. Explain **three** ways in which wind transport its load (6mks)

b) Using well labeled diagrams, explain how the following desert features are formed.

i. Yardangs (5mks) ii. Mushroom block (6mks)

c) The diagram below represents features resulting from wind deposition in a desert

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Use it to answer questions that follow

i. Name the above feature (1mk)

ii. Name the parts marked; (2mks)

J & L

PAPER 2

SECTION A (25MKS)

Answer ALL the questions from this section

11. i) Mention **two** irrigation schemes established in Kisumu County with the aim of land rehabilitation (2mks) ii) What is a polder? (1mk)

iii) Name **three** crops grown in the polder (3mks)

12. i) Distinguish Horticulture and market gardening (2mks) ii) State **three** problem facing horticultural farming in Kenya (3mks)

13. i) Define the term mining? (2mks) ii) State any **three** negative effects of mining to the environment (3mks)

14. i) Give **two** indigenous soft wood trees grown in Kenya (2mks) ii) State **three** problems facing forestry in Canada (3mks)

15. a) Name **three** types of fish (2mks)

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b) State **three** problems facing fishing in JAPAN (2mks)

SECTION B

Answer question 6 and any other two questions

16. a) Study the information provided. Later answer the questions that follows Crop production in Kenya between 1998 and 2002 in million bags.

Use a scale of 1cm represents 5 million bags

CROP/YEAR	1998	CT	1999	CT	2000	CT	2001	CT	2002	CT
Maize	27.30		25.00		25.00		30.00		26.00	
Beans	3.00		4.00		3.70		4.10		4.00	
Sorghum	0.90		1.20		0.90		1.20		0.80	
Millet	0.37		0.66		0.40		0.50		0.60	

• CT refers to the cumulative totals

i. Using a suitable scale, draw a cumulative bar graph based on data provided above. (10mks) ii. Calculate the maize percentage decline in production between years 2001 and 2002. (2mks) iii. What general conclusion can be made based on crop production between years 2000 and 2001

b) i) Apart from tsetse fly control mention five other methods used to reclaim land in Kenya

ii) Explain any three control measures applied to eliminate tsetse flies in Kenya. (6mks)

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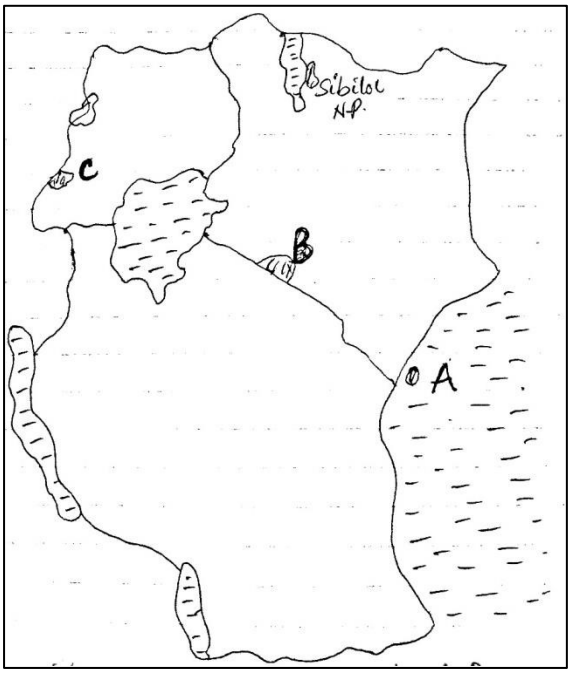
17. a) Name National parks marked A, B & c (3mks)

i) b) i) Explain four factors showing the future of tourism Industry in Kenya (8mks) ii) Explain how the following factors influence wildlife

i. Vegetation (4mks)

ii. Altitude (4mks)

Define wildlife (2mks)



ii) Distinguish between a game sanctuary and a game ranch (4mks) iii) Study the following map of East Africa and answer the questions below.

For marking schemes,prefer calling Mdm Mariam-0746711892

18. a) i) What is fishing (2mks) ii)

Name the two major fishing ground in the Pacific Ocean

(2mks)

iii) Name four fresh water fisheries in Kenya

(4mks)

b) i) Explain four reasons why Fresh water fishing is more popular than marine fishing in East Africa.

ii) Describe trawling as a method of fishing (7mks)

iii) Distinguish phytoplankton and 200 planktons (2mks)

19. a) i) Name two main types of coffee grown in Kenya (2mks)

ii) Identify two counties in Kenya where coffee is grown in large scale (2mks) b) i) State four factors favoring growing of coffee in Kenya (4mks)

ii) Describe the stages of coffee processing once it's delivered to the factory (9mks) c) i) Explain two benefits of coffee farming in Kenya (4mks)

ii)State four problems facing coffee farmers in Brazil (4mks)

20. a) i) Give three by-products of crude oil (3mks)

ii) List four ways through which occurrence of minerals is influenced. (4mks) b) Explain four contribution of mining Industry to economy (8mks) c) Name the minerals found in the following areas in East Africa 4mks) i. Kariandusi

ii. Kerio Valley

iii. Kwale County

iv. Lake Magadi d)i) State four factors influencing mineral exploitation (4mks)

ii) Give two uses of Gold (2mks)

KCSE PREDICTION 6 .

PAPER 1

SECTION A

1. a) State two proofs that support the theory of the drifting of continents(2mks)
   b) Define three main boundaries that separate tectonic plates (3mks)
2. a) Distinguish between an orbit and axis (2mks)
   b) State three proofs that the interior of the earth is still hot (3mks)
3. a) Give two ways in which wind transports its load (2mks)
   b) State three reasons why action of wind is more effective in hot deserts.(3 marks)

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4. a) Define the term dew point(2mks)
   b) Give three factors which influence the direction of wind (3mks)

5. a) Name two types of ice masses found on mountains in East Africa(2mks)
   b) Give three characteristics of a pyramidal peak (3mks)

SECTION B

Answer question 6 and any other two questions from this section

6. a) Study the map of Kitale sheet 75/3(1:50,000) and answer the questions that follows

i) Give the six figure grid reference of the culvert at the cousins corner (2mks) ii) Name the three districts represented (3mks)

b) i) Describe the distribution of settlement in the area covered by the map (4mks)

iii) What evidence exists on the map to show the area has a high agriculture potential (5mks)

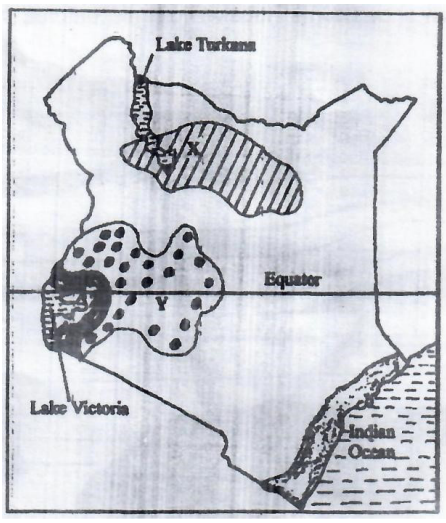
c(i) Calculate the gradient of the slope between pointM and N(2mks)

ii) Identify the highest point in the area covered by the map (2mks)

d) Farmers of Delgany farm carried out a study at their colleagues' farm of longleat estate

i) State two reasons why they would need the map of kitale(2mks) ii) Mention two methods they would use to collect data (2mks) iii)Identify three areas of concern they would be interested in(3mks)

7. The map below shows some climatic regions of Kenya. Use it to answer question(a)



a) I)Name the climatic regions marked X and Y(2mks) ii) State three characteristics of

the climatic region marked Z(3mks)

b) Explain how each of the following factors influence climate

i) Altitude(4mks) ii) Ocean currents(4mks)

c) What are the negative effects of climate change on physical environment(6mks)

d) Students visited a weather station to study recording of weather elements.

i) State three qualities in the construction of a Stevenson screen they would have observed during the study (3mks)

ii) Identify three types of data they are likely to have collected during the study (3mks)

8(a) i) Name two types of submerged highland coasts (2mks)

ii) Identify two resultant features of the emerged highland coasts.

(2mks) b) State three factors influencing deposition by ocean waves

(3mks)

c) Describe the formation of the following coastal features

i) Fringing reef(5mks)

ii)Spit(5mks)

d)Explain the significance of ocean to human

activities(8mks) 9. a) Describe plucking as a process of

glacial erosion (4mks)

b) Explain three conditions that lead to glacial deposition (6mks)

c) i)Name three erosional features in glaciated highlands (3mks)

ii)Describe how terminal moraine is formed (4mks)

d)Explain four positive effects of glaciation in lowlands areas (8mks)

10. a) i) Explain four factors influencing vegetation distribution in Kenya (8mks)

iii) State two major vegetation regions of Kenya (2mks)

b) i) Describe three characteristics of the tropical rainforest (6mks)

ii) State two problems experienced during the exploitation of the tropical rain forest

(2mks) c) You are to carry out a field study on vegetation on Mount Kenya

i) Give two uses of mountain vegetation you are likely to study about

(2mks) ii) State three objectives you would formulate for the study

(3mks) iii) Name two methods you would use to record your data

(2mks)

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PAPER 2

SECTION A

Answer **ALL** the questions in this section.

1. a) State two factors that favour the growth of softwood forests in Kenya. (2mks)
   b) Explain how forests help to conserve water catchment area. (2mks)
2. Give three reasons why it is important to study Geography. (3mks)
3. a) State two human factors that favour fishing. (2mks)
   b) Name three major fresh water fishing grounds in East Africa. (3mks)
4. a) Give three advantages of mechanization of agriculture. (3mks)
   b) State three consequences of high dependence on agriculture in the developing countries. (3mks)
5. a) i. Why is it necessary to conserve water? (2mks) ii. How does terracing help in water conservation? (2mks)
   b) State four effects of wind as an environmental hazard in Kenya. (4mks)

SECTION B

6. Study the photograph provided and use it to answer the questions below;

Secondary Geography form four Student's Book Fourth Edition, page 43 Fig. 3.12

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a) Name:

i. The fishing method shown in the photograph.

(1mk) ii. Two examples of fish that may be caught using this method. (2mks)

c) Describe how the fishing method shown in the photograph provided is used to fish.

(5mks)

d) i. Give three methods used to preserve fish. (3mks) ii. Explain how the following factors favour fishing.

- Indented coastline. (2mks)
- Ocean currents. (2mks)

e) i. Outline four ways in which marine fisheries in Kenya can be conserved. (4mks) ii. Explain three problems experienced by fishermen while fishing in Lake Victoria. (6mks)

7. a) State three physical conditions that favour coffee growing in the central highlands of

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Kenya. (3mks)

b) Describe the stages involved in coffee production from picking to marketing. (8mks)

c) Explain four problems facing coffee farming in Brazil. (8mks)

d) Your Geography class carried out a field study on a coffee farm.

i. State four methods the class may have used to collect data. (4mks) ii. During the field study, the class collected data on quantities of coffee produced in the farm in the last five years. State two methods the class may have used to present the data.

(2mks)

8. a) i. What is irrigation? (2mks) ii. State two types of irrigation. (2mks)

iii. Outline three physical factors that influenced the location of Perkerra Irrigation

Scheme. (3mks)

b) Explain the following physical problems facing irrigation farming in Kenya;

i. Excess amount of water. (2mks)
ii. Soil erosion. (2mks)
iii. Weeds. (2mks)

c) i. Apart from afforestation and reafforestation name three other methods used to rehabilitate land. (3mks) ii. Mention three factors that facilitated land reclamation in the Netherlands. (3mks) d) Give the differences in the methods of land reclamation in Kenya and the Netherlands under the following sub – headings;

i. Methods of reclamation. (2mks) ii. Reasons for reclamation. (2mks) iii. Area of reclamation. (2mks)

9. a) i. List two characteristics of gold. (2mks) ii. Why is gold the world's most valuable mineral? (1mk) b) i. Name the world's leading country produce of gold. (1mk) ii. Identify the main gold mining area in South Africa. (1mk) iii. Describe how gold occurs in South Africa. (3mks)

c) Which is the most appropriate method of mining gold in South Africa, the reason for the method. (2mks)

For marking schemes,prefer calling Mdm Mariam-0746711892

d) i. Describe how gold is processed in South Africa. (5mks) ii. Explain five significance of gold mining in South Africa. (10mks)

10. a) What is eco-tourism? (2mks)

b) i. Give four tourist attraction found at the coast of Kenya. (4mks)

ii. State five problems associated with tourism in Kenya. (5mks)

c) State four ways in which game reserves are of benefits to the communities living near them. (4mks)

d) Explain the difference between tourism in Kenya and Switzerland. (10mks)

KCSE PREDICTION 7 .

PAPER 1

SECTION A (25 MARKS)

Attempt all questions in this section

1. (a) Name the temperate grasslands found in the following countries.

(i) Canada (1 mark)

(ii) Russia (1 mark)

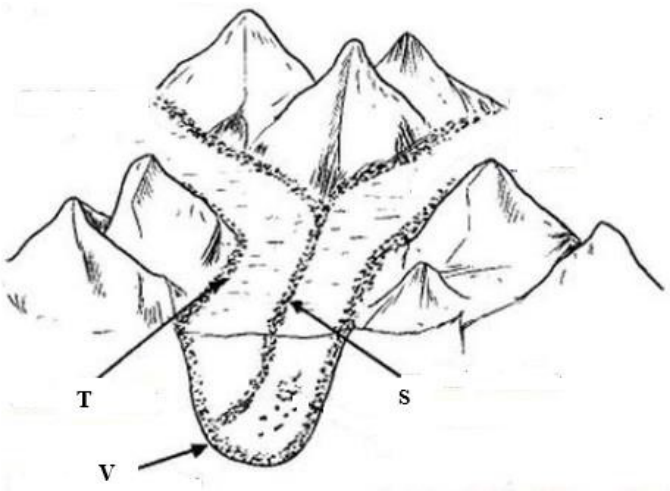
(b) Explain **three** ways in which desert vegetation adapts to environmental conditions. (3 marks)

2. (a) What is micro-climate? (1 mark)

(b) Discuss four consequences of climate change. (4 marks)

3. (a) Describe plucking as a process in glacial erosion. (3 marks)

(b) The diagram below shows types of moraines in a valley glacier.



(i) Name the type of moraine marked S, T and V. (3

marks)

4. (a) Differentiate between magma and lava. (2 marks)

(b) Name **two** volcanic features found in the rift valley of Kenya. (2 marks)

5. (a) What is a karst scenery? (1 mark)

(b) Describe how a stalactite is formed in an underground feature in limestone areas.

(4 marks)

SECTION B: Answer question six and another two

6. Use the map of Taita hills (sheet 189/4) provided and answer the questions below.

(a) Measure the length of dry weather road, D535, from the junction at grid 4028 to the east of the maps. (2 marks)

(b) What is the bearing of the pump house at grid 2918 from mwaturaje in grid 3215? (2 marks)

(c) Calculate the area of the region below the all-weather road; bound surface A23 in the South East of map . (2 marks)

(d) What is the magnetic declination of the map by the time the map was published? (2 marks)

(e) Discuss the drainage of the area covered by map. (5 marks)

(f) Citing evidence from the map, state three social services offered in the area covered by the map. (3 marks) (g)

(i) Reduce the square by 2 within northings 26 and 31 and between eastings 37 and 42.

(1 mark)

(ii) In it, indicate:-

-Ronge forest (1 mark)

-road D535 (1 mark)

-water reservoir (1 mark)

-out crop rock. (1 mark)

(iii) What is the new scale after reduction? (2 marks)

(h) Highlight **two** types of vegetation in the area covered by the map. (2 marks)

7. (a) Define the following terms:-

(i) Aridity (1 mark)

(ii) Desert (1 mark)

(b) (i) Name **three** descriptions of deserts based on the surface. (3 marks)

(ii) Give an example of a hot desert in Africa. (1 mark)

(c) Name and describe the **three** types of wind erosions in deserts. (6 marks)

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(d) Explain **three** factors influencing wind deposition in deserts. (6 marks)

(e) (i) Name **three** features resulting due to action of water in desert areas. (4 marks) (ii) What are the **four** positive significance of desert features to human activities?

(4 marks)

8. (a) (i) Define the term 'solar system'. (2 marks) (ii) Name **four** components of the solar system. (4 marks)

(b) (i) Which force is responsible for the flattening of the poles of the earth? (1 mark)

(ii) Give **four** proofs that the earth is spherical. (4 marks)

(c) (i) State **four** effects of revolution of the earth. (4 marks)

(ii) Supposing the local time at Greenwich meridian is noon (1200hrs). What is the local time at a place A, 300E? (3 marks)

(iii) What is 'equinox'? (1 mark)

(d) (i) Draw a well labeled diagram of the internal structure of the earth. (5 marks)

(ii) What is internal date line? (1 mark)

9. (a) (i) What is faulting? (2 marks)

(ii) Name **three** features resulting from faulting. (3 marks)

(b) With the aid of a well labelled diagrams, describe the formation of the rift valley by tensional forces. (7 marks)

(c) (i) Give **three** ways in which faulting influences drainage. (3 marks)

(ii) Apart from tensional forces explain **two** other processes that may cause faulting.

(2 marks)

(iii) Name **three** types of faults. (3 marks)

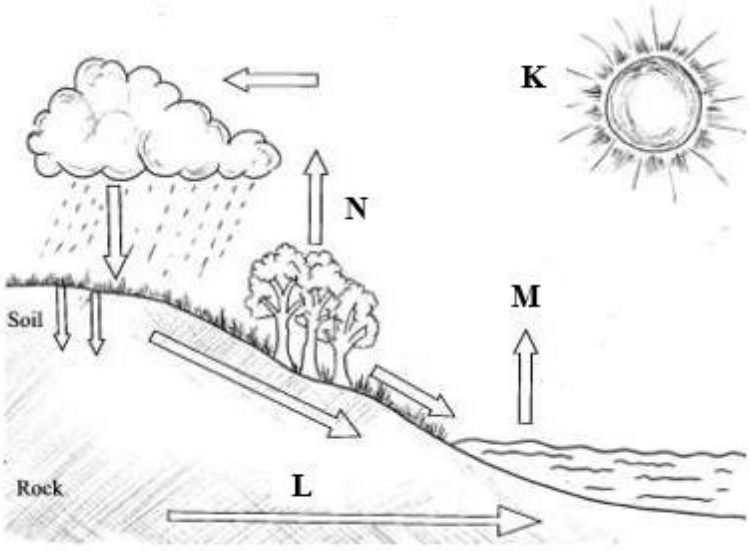
(d) Discuss how features resulting from faulting is of significance to human activities.

(5 marks)

10. (a) (i) Differentiate between a watershed and a catchment area? (2 marks)

(ii) The diagram below shows a hydrological cycle.

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What processes do the arrows labelled K, L, M and N represent? (4 marks) K
L
M N

(b) (i) What is a lake? (2 marks)

(ii) Give three reasons why some lakes in Kenya are saline. (3 marks)

(c) (i) Apart from L. Magadi, name **two** other lakes within the rift valley in Kenya that have a high level of salinity. (2 marks)

(ii) Highlight **four** man-made lakes in Kenya. (4 marks)

(d) (i) Describe the formation of a corrie lake. (5 marks)

(ii) Give **three** negative effects of lakes. (3 marks)

PAPER 2

SECTION A: Answer all questions

2. (a) Differentiate between horticulture and market gardening. (2 marks)

(b) State **three** characteristics of horticulture farming. (3 marks)

2. (a) Explain **two** problems caused by floods. (4 marks)

(b) Name **one** major environmental hazard. (1 mark)

3. (a) What is a polder? (2 marks)

(b) Give **three** factors that limits Perkerra irrigation scheme. (3 marks)

4. (a) Name **two** indigenous softwood trees in Kenya. (2

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marks)

9b) Give **three** protective roles of forests in a country. (3 marks)

5. (a) Give an example of a mineral found in each of the following occurrence.
   (i) Veins and lodes. (1 mark)
   (ii) Alluvial/placer deposits. (1 mark)

(b) Highlight **three** uses of soda ash. (3 marks)

SECTION B: Answer question 6 and any other two questions.

6. The table below shows the passengers (in millions) coming from other countries to Kenya between 1994 and 2004. Use it to answer the questions that follow.

COUNTRY	PASSENGERS IN MILLIONS	
	1994	2004
CANADA	12.2	13.0
USA	27.7	16.6
ARGENTINA	14.1	12.0
INDIA	96.8	163.8
JAPAN	258.4	311.9

(a) Using a scale of 1cm represents 20 million passengers, draw a comparative bar graph to represent the information above. (9 marks)

(b) (i) Calculate the percentage increase in number of passengers from India. (2 marks)

(ii) Give the **three** advantages of using comparative bar graphs to represent statistical data. (3 marks)

(c) (i) Give the **four** important canals of the St. Lawrence sea way. (4 marks)

(ii) Give **three** ways in which the great Lake St. Lawrence Sea way has contributed to the economy of Canada and USA. (3 marks)

(d) Explain **two** ways in which communication contributes to economic development in Kenya. (4 marks)

7. (a) Explain **three** problems arising from industrialization in Kenya. (6 marks)

(b) State **two** non-food agricultural industries in Thika. (2 marks)

(c) Name a town in Kenya where each of the following industries are located.
   (i) Oil refinery. (1 mark)
   (ii) Paper manufacturing (1 mark)
   (iii) Motor vehicle assembly (1 mark)

(d) Explain **three** factors that influenced the location of iron and steel industry in the Ruhr region in Germany in the 19th century. (6 marks)

(e) You intend to carry out a field study on furniture making industry in the local market centre.

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(i) State **two** reasons why it would be necessary to carry out a reconnaissance. (2 marks)

(ii) State **two** advantages of studying furniture making through field study. (2 marks)

(iii) Highlight **four** factors which have favoured the development of the electronics industry in Japan. (4 marks) 8.

(a) (i) What is ecotourism? (2 marks)

(ii) Give **four** tourist attraction found at the coast of Kenya. (4 marks) (b) Use the map of the East Africa below to answer the questions that follow.



(i) Name the national parks marked P, Q and R. (3 marks)

(ii) State **four** steps taken by Kenyan government to promote wildlife. (4 marks)

(c) Explain similarities between tourism in Kenya and Switzerland. (8 marks)

(d) State **four** problems that are associated with low tourism in Kenya. (4 marks)

9. (a) (i) Outline **three** physical factors that have favoured the development of the seven folks hydroelectric power scheme. (3 marks)

(ii) State **two** problems facing hydro-electric power projects in Kenya. (2 marks)

(b) (i) Apart from oil, name **two** other non-renewable sources of energy. (2 marks)

(ii) What is energy crisis? (2 marks)

(iii) Explain **four** ways in which Kenya has benefited from the development of geothermal power. (8 marks)

(iv) What are the consequences which will result due to oil discovery in Kenya? (3 marks)

(c) (i) Name **three** main dams in Africa. (3 marks)

(ii) State **two** effects of power rationing in Kenya. (2 marks)

10. (a) State **four** characteristics of shifting cultivation. (4 marks)

(b) (i) State **two** counties where tea is grown. (2 marks)

(ii) Explain **four** ways in which KTDA (Kenya Tea Development Agency) promotes

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tea cultivation. (8 marks)

(c) (i) State **five** counties in Kenya where beef ranching is done. (5 marks)

(ii) Outline **two** major problems facing beef farming in Kenya. (2 marks)

(iii) Give **four** economic and human factors that favour beef production in Argentina.

(4 marks)

KCSE PREDICTION 8 .

PAPER 1

SECTION A. (ANSWER ALL THE QUESTIONS FROM THIS SECTION.)

1. (a) What is a natural satellite? (2marks)

   (b) Give **two** dates of the year when equinox occurs. (2marks)

2. (a) Differentiate between natural vegetation and secondary vegetation . (2marks)

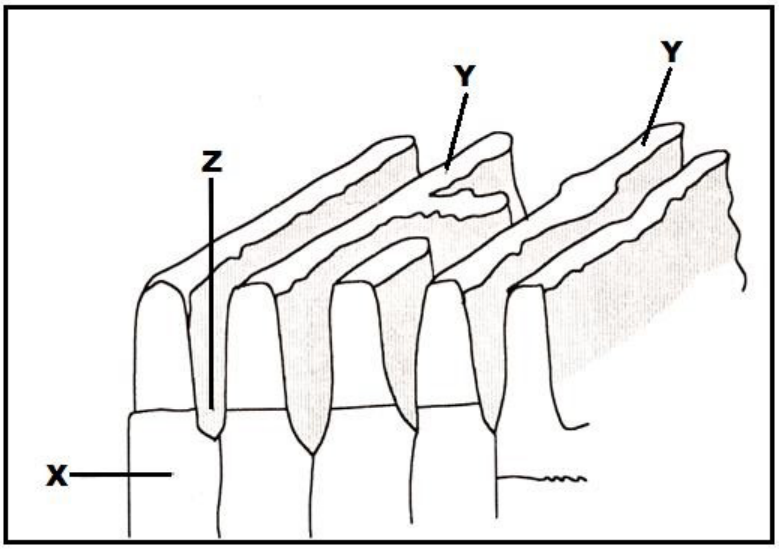
   (b) State **three** ways in which rainfall influences the distribution of natural vegetation in Kenya. (3marks)

3. (a) List t**wo** land masses that formed from Laurasia according to the continental drift theory. (2marks)

   (b) State **two** effects of earth movements on the landscape. (2marks)

4. The diagram below shows some features of a karst scenery. Use it to answer question (a) and (b).

For marking schemes,prefer calling Mdm Mariam-0746711892



(a) Name the features marked X, Y and Z. (3marks)

(b) How is the feature marked Z formed? (3marks)

5. (a) State **three** factors that affect the permanence of a lake.

(3marks) (b) Outline **three** sources of lake water

(3marks) **SECTION B.(answer question 6 and any other two questions.)**

6. Study the topographical map of TAITA HILLS provided and use it to answer the following questions.

(a) (i) What is the longitudinal extent of the area covered by the map?(2marks)

(ii) Determine the bearing of a water tank at grid square 3927 from the water tank east of Kigala hill. (2marks)

(b) (i) Citing evidence, give four economic activities carried out in the area covered by the map. (4marks)

(ii) Describe the distribution of natural vegetation in the area covered by the map. (4marks)

(c) Citing evidence from the map, explain **two** factors that favour the establishment of Teita Sisal estates. (4marks)

(d) (i) Using a vertical scale of 1cm to represent 50 m draw an accurate cross section from grid reference 300190 to grid reference 360190. On the cross section, mark and name:

- A hill

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- A river valley
- Main track (motorable) (7marks)

(ii) Calculate the vertical exaggeration of the cross section. (2marks)

7. (a) (i) Differentiate between weather and climate. (2marks)

(ii) List **four** factors that influence humidity of a place. (4marks)

(b) Describe how convectional rainfall is formed. (6marks)

(c) Explain how the following factors influence climate.

(i) Altitude. (4marks)

(ii) Distance from the sea (4marks)

(d) State the characteristics of mountain climate. (5marks)

8. (a) (i) State **four** causes of vulcanicity. (4marks)

(ii) Give **three** examples of volcanic materials. (3marks)

(b) Describe how the following features are formed.

(i) Basic lava domes. (5marks)

(ii) Laccolith. (5marks)

(c) Suppose you were to carry out a field study of a volcanic landscape.

(i) State **four** reasons why it is important to prepare awork schedule. (4marks)

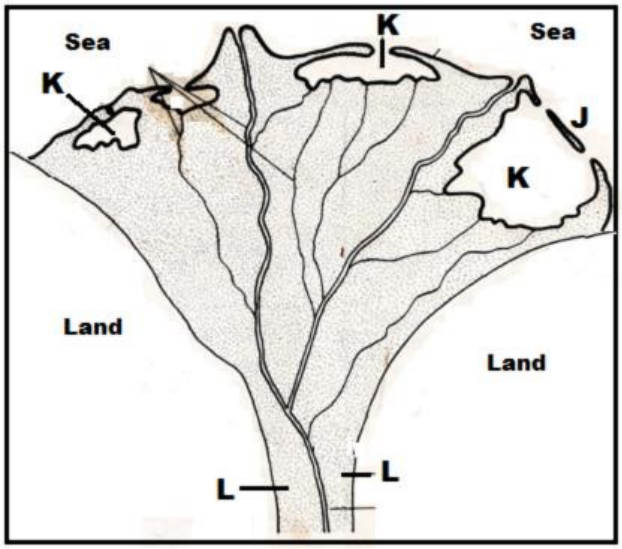
(ii) State **four** advantages of using observation as a method of data collection. (4marks)

9. (a) (i) What is a river? (2marks)

(ii) Name **four** features formed due to river erosion. (4marks)

(b) Use the diagram below to answer question (i) and (ii)

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(i) What type of delta is represented by the diagram? (1mark)

(ii) Name the parts marked J, K and L. (3marks)

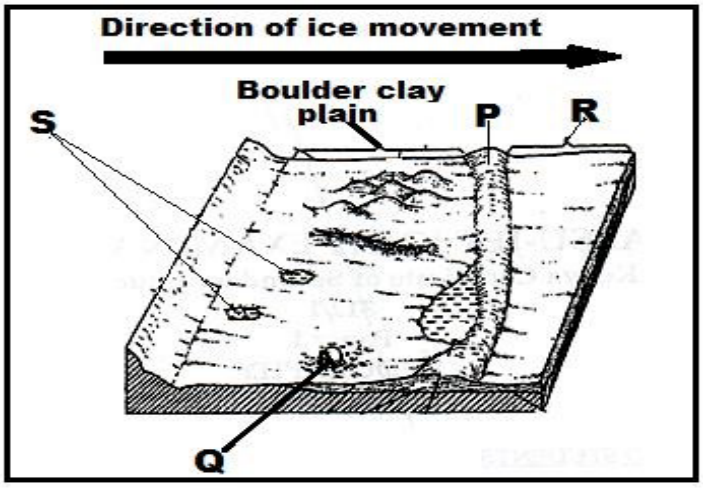
(c) With the aid of well labelled diagrams, describe how natural levees are formed. (7marks)

(d) Explain **four** economic benefits of rivers. (8marks)

10. (a) (i) List **three** types of glacier. (3marks)

(ii) Explain **four** factors that influence the rate of glacial erosion. (8marks)

(c) The diagram below shows some features formed due to glacial deposition in lowlands.



(i) Name the parts marked P, Q, R and S. (4marks)

(ii) Describe how a hanging valley is formed. (6marks)

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(d) Explain **two** negative effects of glaciated landscapes. (4marks) **PAPER 2**

SECTION A *Answer all the questions in this section.*

1.(a). What is mining? (2 marks)

b) State **three** ways in which opencast mining affects the environment. (3marks)

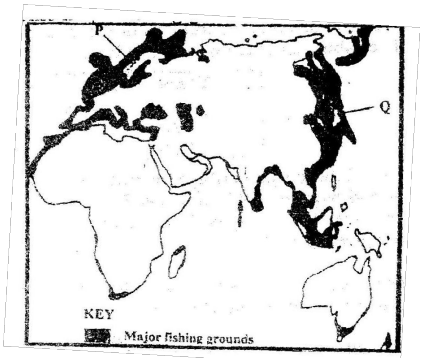
2. a) What is urbanization? (2marks)

b) Give **three** differences in the function of New York and Nairobi cities. (3marks)

3.The map below shows some major fishing grounds in the world. Use it to answer question (a)

(a) (i) Name the countries marked P and Q (2marks)

(ii) State **three** conditions that favour fishing in the shaded coastal waters (3marks)



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4) i) Give **two** primary sources of population data(2marks).
ii) What information can be derived from a population pyramid (3marks?)

5) (a) Apart from windstorms, name **two** other environmental hazards associated with climatic conditions.
(2 marks)

b) Identify three ways that are used to control floods in Kenya (3 marks)

SECTION B

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

6. The table below shows the Hypothetical value of some cash crops produced in Kenya in ksh.million.

Crop	1999	2000	2001	2002	2003	2004
Tea	15000	15000	16000	17000	18000	17000
Coffee	10000	11000	12000	13000	14000	15000
Maize	800	1000	1100	800	800	750
Sugarcane	1,300	2000	3,000	800	1,900	2,000

a) Using a scale of 1cm to represent 2,000 million ksh draw a comparative line graph based on the data above. (8marks)

b) State **two** advantages of using comparative line graph. (2marks)

c) State **three** physical conditions required for the growing of
i) Tea (3marks)

(d) Describe the stages involved in coffee production from picking to marketing(8 marks)

e) Identify **four** ways in which drought affects the agricultural sector in Kenya (4 marks)

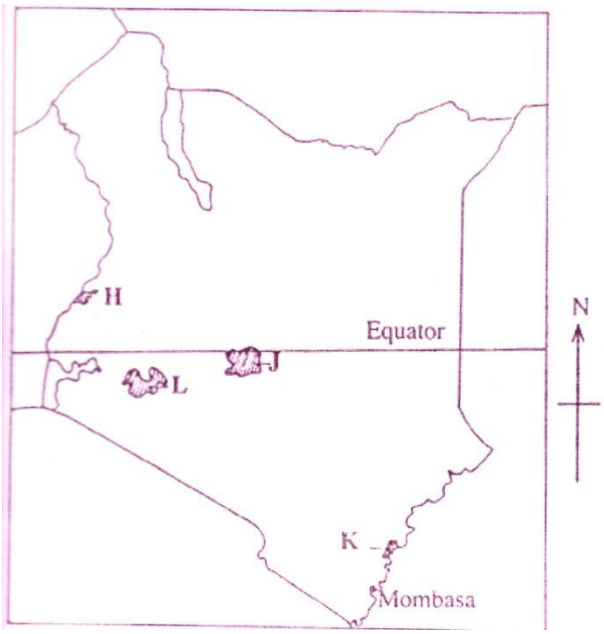
7 (a) (i) Apart from coniferous forest, name **two** other types of natural forests.(2marks)

(ii) State **two** characteristics of coniferous which favour their exploitation. (2marks

(b) Explain **three** factors that favour the growth of natural forests on the slopes of Mt.Kenya. (6marks)

(c) Use the map of Kenya below to answer questions (i) and (ii).

For marking schemes,prefer calling Mdm Mariam-0746711892



(i) Name the forest reserves marked **H, J** and **K.** (3 marks)

(ii) Explain **Three** factors that favour the growth of natural forest in the area marked L. (6 marks)

(d) Explain **Three** problems facing forestry in Kenya. (6 marks)

8. (a) (i) What is industrialization (2marks)`

(ii) Name a town in Kenya where each of the following industries are located
- Oil refining 1mark)
- Paper manufacturing (1mark)
-Motor vehicle assembly (1mark)

b) Explain Three factors which influenced the location of iron and steel industry in the
Ruhr region of Germany (6marks)

(c) (i) State two characteristics of the cottage industry in India. (2marks)

(ii) Explain three factors which have favoured the development of car manufacturing
industry in Japan. (6marks)

(d) You intend to carry out a field study of furniture – making industry in the local (i)State two reasons why it would be necessary for you to visit the area of study in
advance (2 marks)

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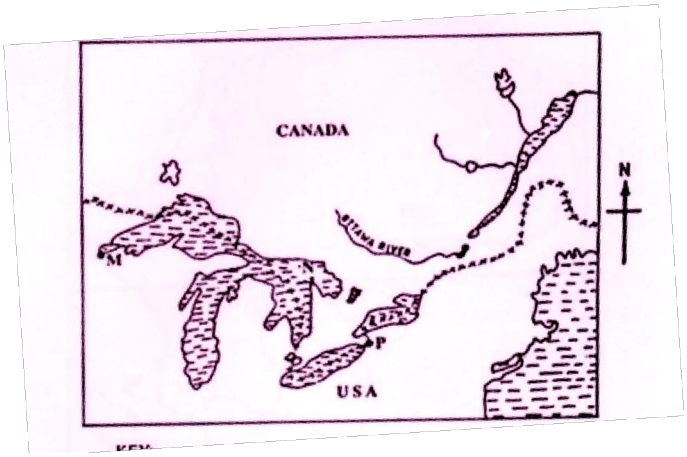
(ii) For your field study you have prepared a work schedule. State two items you would include in the schedule (2 marks)

iii) Give two advantages of studying about furniture making through fieldwork.(2marks)

9. a) i) State ***two*** advantages of written communication. (2 marks)

ii) State ***two*** ways in which Kenya is benefiting from the construction of the Standard gauge railway. (2 marks)

b) The sketch map below shows the Great Lakes and St. Lawrence Seaway. Use it to answer the following questions.



KEY: xxxxxx - International Boundary.

Name:

(i) the ports marked M and P. (2marks)

(ii) the Lake marked N. (1marks)

For marking schemes,prefer calling Mdm Mariam-0746711892

c) Explain three ways in which the great lakes St.Lawrence sea way has contributed to the economy of Canada and the United States of America (U.S.A) (6marks)

d)Give four reasons why there is limited use of river transport in Africa. (4marks)

e) Explain four measures that the government has taken to improve road transport in Kenya (8marks)

10. (a) (i) Distinguish between visible and invisible exports. (2 marks)
(ii) Name ***two*** seaports that handle exports in East Africa. (2 marks)

(b) Explain ***three*** measures Kenya can take to reduce her unfavourable balance of trade. (6 marks)

(c) Explain ***three*** reasons for low volume of trade between the countries in Africa. (6 marks)

(d) (i) State ***three*** benefits of ECOWAS to the member states. (3 marks)

ii) Explain three negative effects of international trade (6marks)

KCSE PREDICTION 9 .
PAPER 1

SECTION A
*Answer **all** the questions in this section.*

1. (a) What is the solar system? (2 marks)

(b) State ***three*** characteristics of crust (3 marks)

2. The diagram below shows a wealth measuring instrument. Use it to answer the following questions.



(a) Identify the instrument (1 mark)

(b) Describe how the instrument functions (4 marks)

3. (a) A part from normal faults, identify ***three*** other types of faults. (3 marks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

(b) Name ***two*** block mountains found in the East Africa. (2 marks)

4. (a) Define earthquakes (2 marks)

(b) State ***three*** physical causes of earthquakes (3 marks)

5 (a) Apart from exfoliation, name ***two*** other physical weathering processes in fault by the temperature changes. (2 marks)

(b) Describe exfoliation process. (3 marks)

SECTION B

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

6. Study the map of Taita hills (1:50, 000) (sheet 189/4) provided and answer the following questions:

(a) (i) What is the bearing of the peak of Mwatunge hill in grid square 3214 from the water tank in grid square 2619? (2 marks)

(ii) Give the latitudinal and longitudinal position of the South East corner of the map extract. (2 marks)

(iii) Calculate the area of Teita Sisal Estate. (2 marks)

(b) (i) Give ***three*** types of natural vegetation found in the area covered by the map. (3 marks)

(ii) Identify **two** forms of land transport found in the area covered by the map. (2 marks)

(c) (i) Using a vertical scale of ***1cm to represent 40 meters***, draw a cross-section along the northing 19 from Easting 33 to Easting 40. (4 marks)

(ii) On it mark and name the following (3 marks)

- A steep slope
- River
- Hill

(d) (i) Describe the distribution of settlements in the area covered by the map. (5 marks)

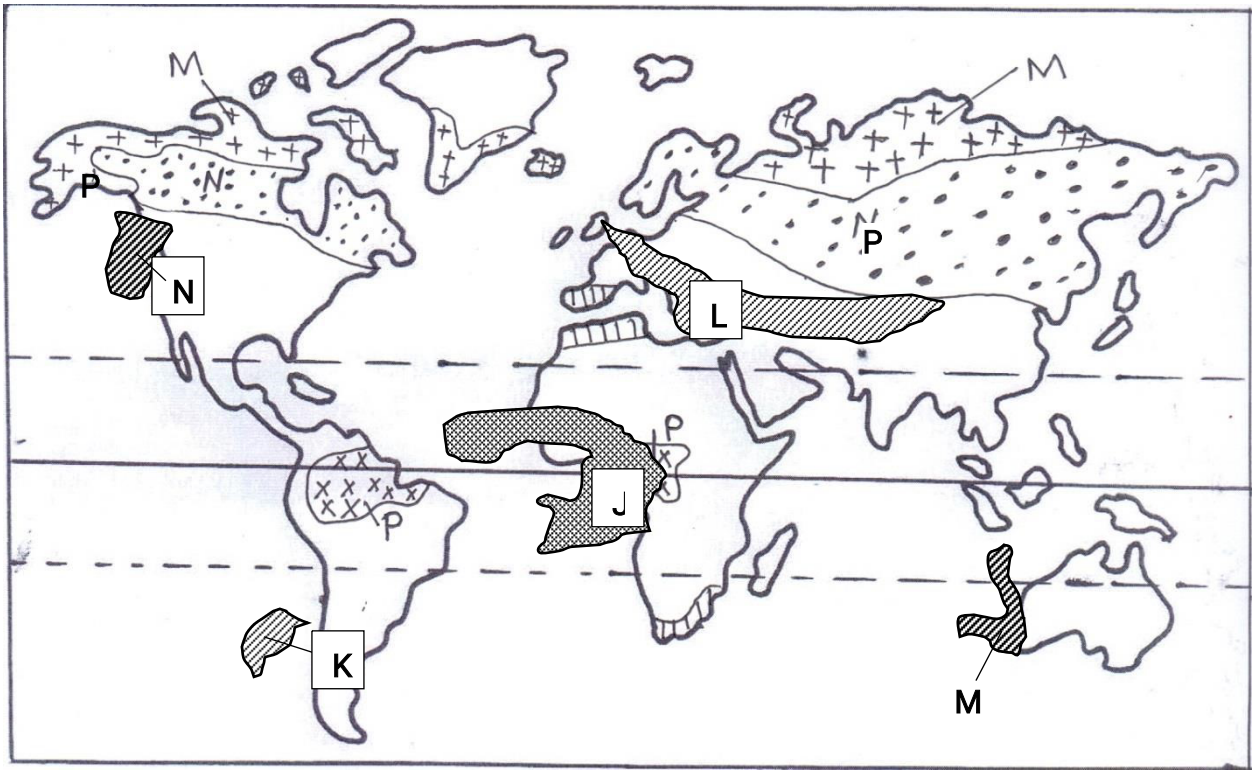
(ii) Citing evidence from the map, give ***two*** economic activities carried out in the area covered by the map other than sisal farming. (2 marks)

7. (a) (i) What is vegetation ? (2 marks)

(ii) Differentiate between natural vegetation and secondary vegetation. (2 marks)

(b) The world map below shows vegetation regions. Use it to answer the following questions.

For marking schemes,prefer calling Mdm.Mariam-0746711892)



(i) Identify the grasslands marked **J, K, L, M** and **N**. (5 marks)

(ii) Name the type of vegetation found in the region marked **P**. (1 mark)

(c) Describe the characteristics of tropical rainforest vegetation. (7 marks)

(d) Explain ***four*** ways in which the desert vegetation adapts to the environmental conditions of the region. (8 marks)

8. (a) (i) What is underground water? (2 marks)

(ii) Explain how the following factors influences the presence of underground water.

- Amount of rainfall (2 marks)
- Vegetation cover (2 marks)
- Slope gradient (2 marks)

(b) (i) What is an artesian basin? (2 marks)

(ii) State ***three*** conditions that lead to the formation of an artesian basin. (3marks)

(c) (i) Identify ***three*** factors which influence the formation of Karst features. (3 marks)

(ii) State ***four*** significance of Karst regions. (4 marks)

(d) Your class is planning to carry out a field study in a Karst landscape.

For marking schemes,prefer calling Mdm.Mariam-0746711892)

(i) Give ***two*** reasons why it is important to seek permission from the school administration. (2 marks)

(ii) Identify ***three*** challenges that you can likely to encounter during the field study. (3 marks)

9. (a) Differentiate between moraine and fluvial glacial deposits. (2 marks)

(b) Explain ***three*** factors which influence glacial erosion. (6 marks) (c) Describe the formation of the following glacial features.

(i) Corrie (6 marks)

(ii) Crag and tail (5 marks)

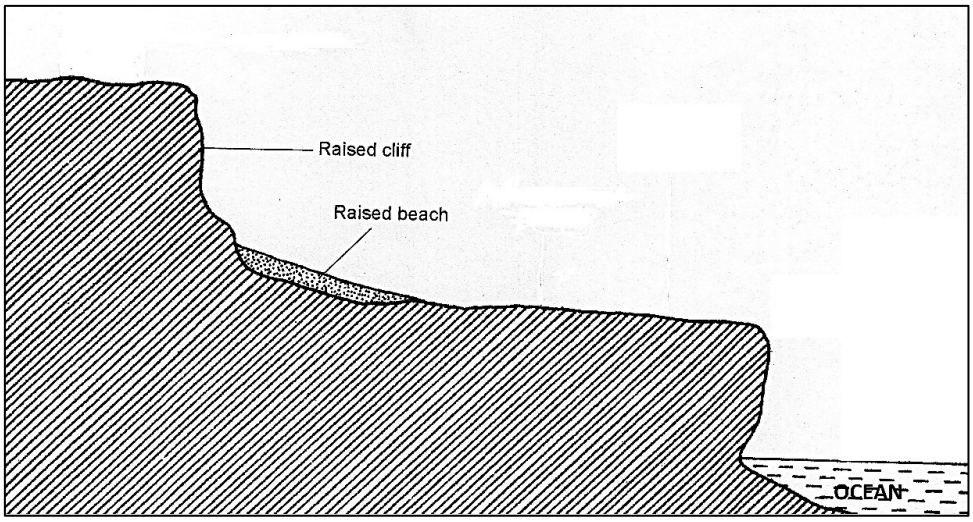
(d) Explain ***three*** significance of lakes to human activities. (6 marks)

10. (a) (i) Define the term ocean. (2 marks)

(ii) Describe how wave erosion occurs through corrasion. (3 marks)

(b) With the aid of well labelled diagrams describe how a stump is formed. (9 marks)

(c) Study the diagram below and answer the question that follow;



(i) Identify the type of coast represented by the diagram. (1 mark)

(ii) State ***four*** factors influencing the development of the above type of coast. (4 marks)

(d) Explain ***three*** significance of coastal features to human activities. (6 marks)

PAPER 2

SECTION A

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

For marking schemes,prefer calling Mdm.Mariam-0746711892)

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

(b) Identify ***three*** sub-branches of Geography *in* human and social sciences.

(3 marks)

2. (a) What is a mineral ore? (2 marks)

(b) State ***three*** ways in which mineral ores occur in the crust. (3 marks)

3. (a) Distinguish between a forest and forestry. (2 marks)

(b) State four factors that influence the distribution of forests in Kenya.

(3 marks)

4. (a) What is nomadic pastoralism? (2 marks)

(b) Give ***three*** reasons why nomadic pastoralists keep large herds of animals.

(3 marks)

5. (a) Name ***two*** types of environments. (2 marks)

(b) State ***three*** consequences of environmental degradation. (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 the questions that follow*



(a) (i) Identify the type of photograph shown above. (1 mark)

(ii) Identify ***two*** counties to the East of the Rift valley where the crop is grown. (2 marks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

(b) Draw a rectangle measuring 8cm by 5cm. On it, sketch and label the main features. (7 marks)

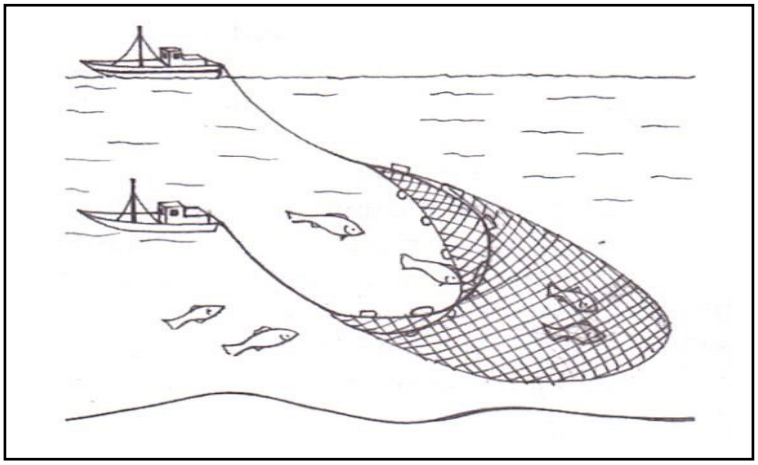
(c) State the physical conditions that favour coffee farming in Kenya. (5 marks)

(d) Explain ***five*** differences between coffee farming in Kenya and Brazil. (10 marks)

7. (a) (i) What is fish farming? (2 marks)

(ii) State ***four*** significance of fish farming. (4 marks

(b) Use the diagram below to answer the following questions.



(i) Identify the fishing method. (1 mark)

(ii) Describe how the method above is used to catch fish. (6 marks)

(c) State ***three*** problems encountered by fishermen while fishing in Lake Victoria. (3 marks)

(d) Explain ***four*** reasons why marine fishing is less developed in East Africa.

(8 marks)

8. (a) (i) Define the term wildlife. (2 marks)

(ii) Explain how the following factors has influenced distribution of wildlife in East Africa.

- Vegetation cover (2 marks)
- Rainfall variations (2 marks)
- Human factors (2 marks)

(b) (i) Identify ***four*** tourist attractions along the coast. (4 marks)

(ii) State ***five*** ways in which tourism in Kenya and Switzerland are similar. (5 marks)

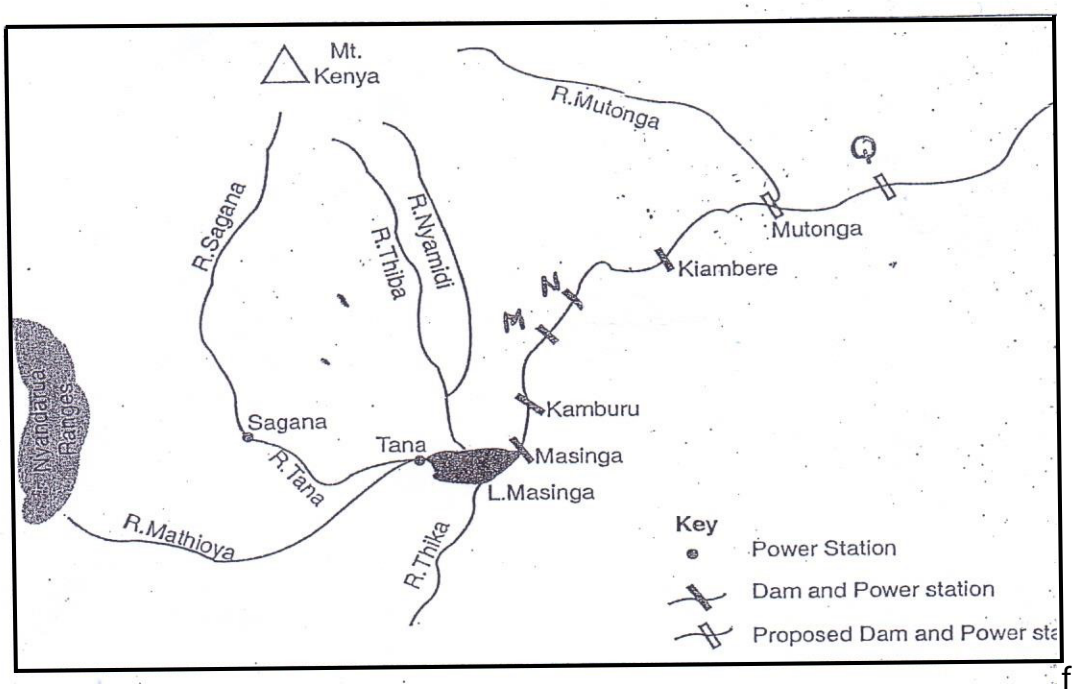
(c) Explain the significance of tourism to Kenya's economy. (8 marks)

9. (a) (i) Name ***three*** non-renewable sources of energy. (3 marks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

(ii) Give ***three*** disadvantages of using wood as a source of fuel. (3 marks)

(b) The diagram below shows the Kenya's hydroelectric power stations along River Tana.



f

(i) Name the H.E.P stations marked **M** and **N**. (2 marks)

(ii) Name waterfall marked **Q**. (1 mark)

(iii) Apart from natural waterfalls, state ***three*** other physical factors that led to the establishment of seven forks hydroelectric power project along river Tana.

(3 marks)

(c) (i) Identify ***two*** areas in Kenya where wind energy is harnessed. (2 marks)

(ii) Give ***three*** advantages of wind energy. (3 marks)

(d) (i) Define energy crisis. (2 marks)

(ii) Explain the effect of energy crisis under the following sub-heading.

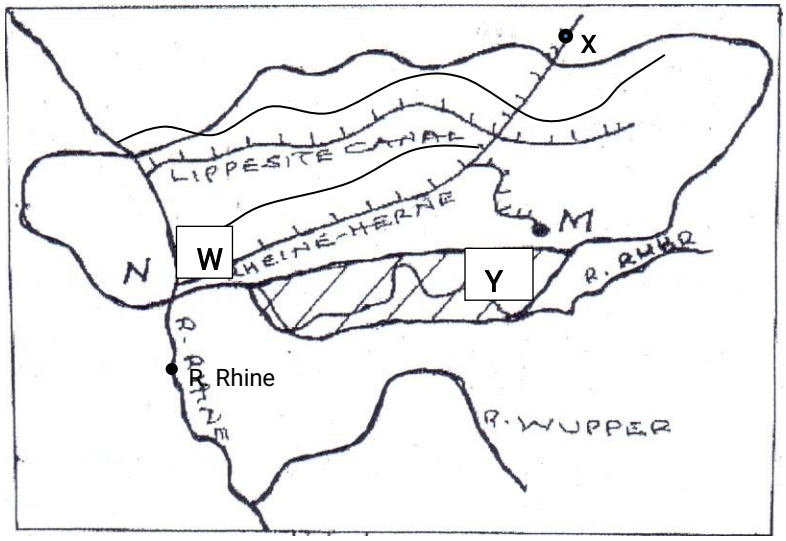
- Agriculture (2 marks)
- Tourism (2 marks)
- Industries (2 marks)

10. (a) (i) What is a cottage industry? (2 marks)

(ii) Give ***four*** reasons why the government of Kenya encourages the establishment of Jua kali industries. (4 marks)

(b) Study the sketch map shown below of the Ruhr industrial region . Use it to answer question (i).

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(i) Name the canal marked **X**. (1 mark)

(ii) Name the river marked **Y**. (1 mark) (iii)

Name the town marked **W**. (1 mark)

(c) (i) Show how the government may solve the following problems facing industries in Kenya.

- Competition from cheap imports. (1 mark)
- High cost of energy/electricity (1 mark)
- Limited market. (1 mark)

(ii) Explain ***three*** factors that favoured car manufacturing industry in Japan. (6 marks)

(d) Form four Geography students carried out a field study at a paper mill.

(i) State ***three*** ways in which they prepared for the field study. (3 marks)

(ii) Give ***four*** reasons why the industry was located near a source of water the student could have established. (4 marks) KCSE PREDICTION 10 .

PAPER 1

SECTION A:

Answer all questions from this section.

1. a) What is a line of longitude? (2mks)
b) What is the time at Moyale on 38^0E when the time at Tema on prime meridian (0^0) is 1.00p.m? (3mks)
2. a) Name two theories of the origin of the Earth. (2mks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

b) Identify three layers of the earth's atmosphere. (3mks

3. a) Name the scale used to measure the magnitude of an earthquake. (1mk)

b) List three causes of earthquakes. (3mks)

4. a) State three factors influencing the development of Karst scenery. (3mks)

b) Give three surface features formed in limestone areas. (3mks)

5. a)Distinguish between block disintegration and exfoliation (2mks)

b)State three economic benefits of weathering (3mks)

SECTION:B

Answer question 6 and any other two in this section.

6. Study the map of Taita (1:50000) sheet 189/4 provided and answer the questions that follow.

a) i)Show the longitudinal extent of the area covered by the map. (1mk)

ii) Convert the scale of the map to a statement scale. (2mks)

iii) Calculate the area of the forest at Majengo and Shelemba between eastings 35 and 40 and below northing 21. (2mks)

b) Draw a square 12cm by 12 cm to represent the area enclosed by Easting 40 and 43 and the Northing 27 and

30. On the rectangle mark and name the following features. (1mk)

i. All weather road loose surface D535 (1mk)

ii. Water pipeline (1mk) iii. River (1Mk)

iv. Forest (1mk)

c) i) Citing evidence from the map give three types of economic activities carried out in the area covered by the map. (3mks)

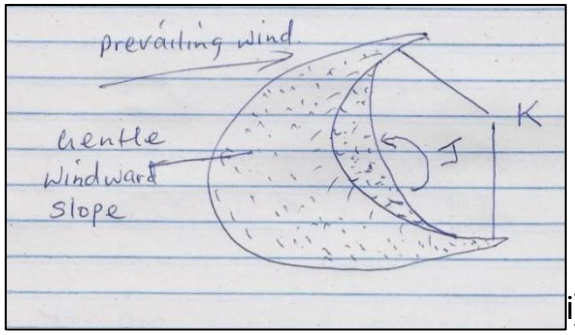
ii) Name two natural features that indicate that the area covered by the map receives high rainfall. (2mks) d) Name three social activities taking place within wundanyi town. (3mks)

e) i) Citing evidence from the map, explain three Factors that have influenced distribution of settlements in the area covered by the map. (6mks)

ii)Give the magnetic variation of the area when the map extract was drawn. (1mk)

7. a)i) Identify two processes through which wind erodes the earth's surface. (2mks) ii) Name two major deserts found in Africa. (2mks)

b) The diagram below represents a barchan. Use it to answer b(i)



i) Name the feature marked J

For marking schemes,prefer calling Mdm.Mariam-0746711892)

K

(2mks)

ii) Describe how the following features found in hot desert are formed.

An oasis (5mks)

A yardang (5mks)

c)You are supposed to carry out a field study of a semi-arid area in Kenya.

i. State three ways through which you would prepare yourself for the field study. (3mks)

ii. What information would you collect through observation that would indicate that the area is turning into a desert? (3mks) iii. State three measures you would recommend to be put in place to control desertification in the area. (3mks)

8. a) i) What is a waterfall? 2mks ii) Give two economic significance of a waterfall. 2mks iii) Identify two drainage patterns along the slope of a mountain. 2mks b) i) Describe the following river erosion processes

Hydraulic action 4mks

Solution 2mks c) i) Apart from deltas, outline four characteristics of a flood plain. 4mks ii) State three factors that favour the formation of delta. 3mks iii) Describe the formation of an arcuate delta and give an example. 4mks d) State any two negative effects of rivers. 2mks

9. (i) What is a coast. 2mks

(ii) Explain two ways in which the nature of rocks influences the shape of coast. 4mks b) Outline three characteristics of a fiorded coast. 3mks

c) Describe the formation of oceanic islands. 4mks

d) (i)State four causes of ocean currents. 4mks

ii)Explain four ways Kenya benefits from coastal landforms. 8mks

10. (a) (i)What is an iceberg? 2mks

(ii)State three factors which determine the speed of a glacier. 3mks

b). (i)Other than a Pyramidal Peak, name three features on a glaciated highland. 3mks

(ii)Describe the formation of a Pyramidal Peak. 5mks c) With the aid of a well labeled diagram, describe the formation of a Crag and tail. 4mks

d) Explain two ways in which glaciation in highlands is of economic benefits to human beings. 4mks

e) Your class carried out a field study on a glaciated lowland.

(i)State two reasons why you needed a route map. 2mks

(ii)Identify two problems you were likely to face during your study. 2mks

PAPER 2

ANSWER ALL QUESTION IN THS SECTION

1. a)What is nomadic pastoralism? (2mks)

b)State any three characteristics of nomadic pastoralism (3mks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

2. a)Name two oil producing countries in Africa (2mks)

b)State three effects of land dereliction due to mining

(3mks) 3. a)Differentiate horticulture and market

gardening (2mks)

b)List three characteristics of horticulture (3mks)

4. a)Name two countries in Kenya where wheat is grown on large scale (2mks)

b)Give three physical conditions that favour large scale wheat farming in the prairies provinces of Canada (3mks)

5. a)Define the term agroforestry (2mks)

b)State three reasons why agro forestry is encouraged in Kenya (3mks)

SECTION B

Answer question six and any other two questions from this section

6. The table below shows the types of forest in Kenya in hectares

forest	a
and	a
and	a
	a
ove	a
	na

oo

i)Draw a divided rectangle 10 cm long to represent the above information (7mks) ii)Give three advantages of using divided rectangles to represent data (3mks) b i) A part from coniferous forest name two other types of natural forest (2mks) ii)State five characteristics of coniferous forest (5mks) ci)Explain four factors which favour the growth of natural forest in the highlands of Kenya (8mks) 7. a)Name three crops grown in Kenya to produce vegetable oil (3mks)

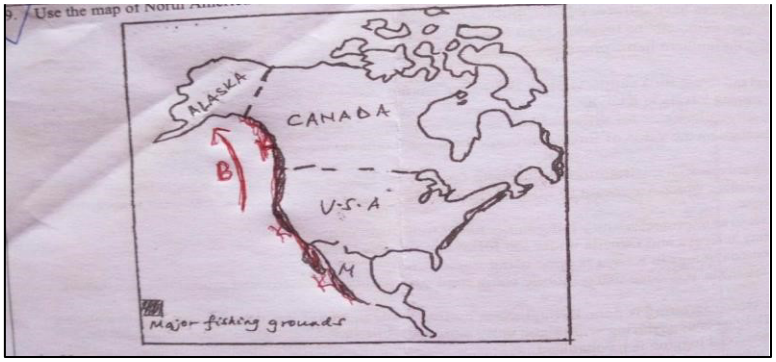
b)Give three uses of palm oil (3mks) ci)Name the main type of coffee grown in Kenya (1mk) ii)State five physical conditions favouring coffee growing in Kenya highlands (5mks) iii)Describe the stages of coffee production from picking to marketing (10mks)

d)A geography class carried out a field work in coffee factory near.their school state three ways in

For marking schemes,prefer calling Mdm.Mariam-0746711892)

which they prepared for the field study (3mks)

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



a)Name

i.The fishing ground marked K (1mk)

ii.The ocean current marked (B) (1mk)

b)Explain physical conditions necessary for fishing in the fishing ground shaded.(8mks)

c)Describe trawling method of fishing (6mks) di) Explain **three** ways in which overfishing can be controlled in lake Naivasha (6mks) ii)State **three** significance of fish farming (3mks)

9. a)Name **two** methods of irrigation practiced in mwea irrigation scheme (2mks)

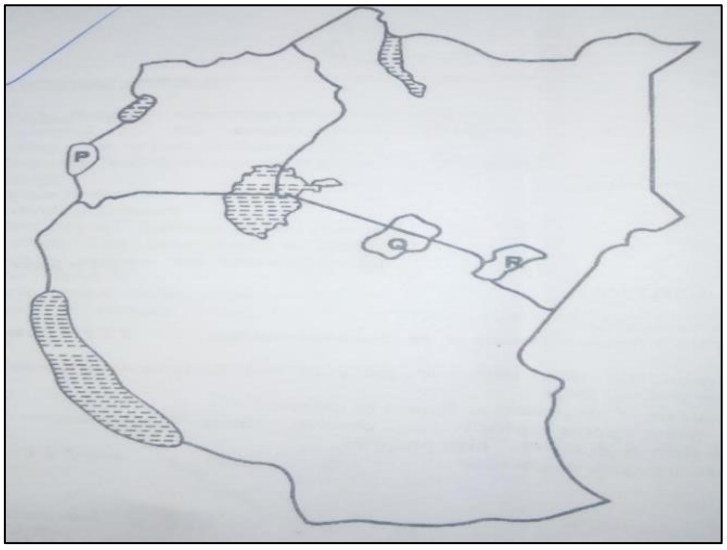
b) Explain three significance of irrigation farming in Kenya (6mks)

c)Describe the stages involved in land reclamation in the Netherlands through the Zuider Zee project (10mks)

d.i)State the similarities between land reclamation in Kenya and the Netherlands (4mks) ii)A Geography class in Mwea high school carried out a field study in Mwea irrigation scheme about irrigation farming state **three** follow-up activities they would be involved in (3mks)

10.

For marking schemes,prefer calling Mdm.Mariam-0746711892)



a)Name the national parks marked P,Q,R (3mks)

bi)Give reasons why game researves and national parks are located in the marginal areas. (3mks) ii)A part from wild life name three other tourist attraction in the western Kenya circuit (3mks) iii) State four ways in which tourist attractions in Kenya differ from those of Switzerland (4mks) c)Explain how the following factors influence the distribution of wildlife in Kenya

i)Vegetation (2mks) ii)Altitude (2mk)

d) Explain four measures that Kenya should take in order to attract more tourist (8mks)

KCSE PREDICTION 11 .
PAPER 1

1. (a) Name two forces responsible for the spherical shape of the earth (2mks)

(b) Give three reasons why interior part of the earth is very hot (3mks)

2. (a) State three characteristics of cyclonic rainfall (3mks)

(b) Identify two conditions that favours formation of a Dew (2mks)

3. (a) Give **three** reasons why it is important to study the plate tectonics theory. (3mks)

(b) Name **two** fold mountains formed during the alpine orogeny (2mks)

4. (a) Differentiate between soil profile and soil catena. (2mks)

(b) Give **three** components of soil apart from humus. (3mks)

5. a) Study the table below and answer the question.

Month	J	F	M	A	M	J	J	A	S	O	N	D

For marking schemes,prefer calling Mdm.Mariam-0746711892)

Temperature °C	29	28	30	30	29	29	29	27	29	30	30	28
Rainfall in mm	10	9	22	48	26	9	24	10	5	10	18	11

(i) Calculate the mean annual rainfall. (1 mark)

(ii) What is the annual range of temperature? (1 mark)

(iii) Give three reasons why the top of Mt. Kenya has got no vegetation. (3marks)

SECTION B

Answer questions 6 and any other two questions in this following

6. Study the map of Taita Hills (1:50,000) sheet 189/4 provided and answer the following questions

(a) (i) What is the bearing of the peak of Mwatunge hill in grid square 3214 from the water tank in grid square 2619? (2mks)

(ii) What is the length in kilometers of the section of the Mwatate – Voi railway line in the south – eastern part of the map? (2mks)

(b) Draw a rectangle measuring 16cm by 12 cm to represents the area enclosed by the Eastings 24 and 40 and Northings 20 and 30 (1mk)

On the rectangle, mark and name the following features:

- Mgange hills (1mk)
- A rock out crop at Weruga (1mk)
- All weather road, bound surface (1mk)
- River Ruhia (1mk)
- Ronge forest (1mk)

(c) Using evidence from the map, explain three factors that have favoured the establishment of the Teita sisal Estates in the Southern part of the area covered by the map (6mks)

(d) (i) Describe the distribution of settlement in the area covered by the map(5mks)

(ii) Citing evidence from the map, give two economic activities carried out in the area covered by the map other than sisal farming (4mks)

7. (a) (i) What is a lake? (2mks)

(ii) Name **three** ways through which lakes are formed. (3mks)

(iii) List **three** sources of Lake Water. (3mks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

(b) Describe how L. Victoria was formed. (4mks)

(c) Explain **two** reasons why some Lakes in the Rift Valley have fresh water. (4mks)

(d) State **three** economic significance of Lakes. (3mks)

(e) Students from your school intends to carry out a field study on Lakes.

(i) State **two** objective for their study. (2mks)

(ii) Identify **two** methods they will use to record the data collected. (2mks)

(iii) Which human activity might they have found to be affecting the Lakes? (2mks)

8.a) i) Differentiate between a barrier reef and a fringing reef.(2mks)

ii) Give three causes of ocean currents.(3mks)

b) State four conditions that favour the growth of polyps.(4mks)

c) With the aid of a well labelled diagram describe how a wave cut plat form is formed.(6mks)

d) Explain how the following factors influence development of coasts

i) Wave action (2mks)

ii) Nature of rocks(2mks)

e) Your class intends to carry out a field study on the features along the coast Kenya.

i) Why would they carry a reconnaissance study(3mks) ii) Give three disadvantages of using observation to collect data (3mks)

9. (a) (i) Name **three** types of faults. (3mks)

(ii) With the aid of clearly labelled diagrams, describe the formation of the Rift Valley by compressional theory. (7mks)

(ii) State **two** ways in which faulting influences drainage. (2mks)

(b) Explain why most lakes in the Rift Valley have saline water. (6mks)

c) Your class undertook a field study on lakes formed through faulting.

(i) Give **two** characteristic features of lakes you may have identified. (2mks)

(ii) State **three** uses of the lakes that you may have found. (3mks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

(iii) Give **two** benefits of studying lakes through field study. (2mks)

10.a) i) What is a Karst scenery? (3mks)

ii) Name **two** features found in each of the following parts of a Karst scenery.

- Surface (2mks)
- Underground (2mks)

b) Explain **three** factors which influence the formation of features in the Karst scenery. (6mks)

c) State the significance of a Karst scenery. (4mks)

d) You are supposed to carry out a field study of an area eroded by water.

i) Give **three** reasons why you would need to prepare a working schedule. (3mks)

ii) Why do you need a map of the area of study. (2mks)

iii) State **two** recommendations that you would make from your study to assist the local community to rehabilitate the eroded area. (2mks) **PAPER 2**

SECTION A.

Answer all the questions in the section.

1a)Define the term animal sanctuary. (2mks)

b)Name any three marine parks in Kenya. (3mks)

2a)Differentiate between horticulture and market gardening. (2 mks)

b)Mention three factors that have favoured horticulture industry in Kenya. (3 marks)

3(a)Statethree physical factors that influenced location of Perkerra irrigation scheme.(3 mks)

(b)State two problems that face farmers in (a) above. (2mks)

4. a) 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 examples of softwood trees found in Kenya

(2mks) (b) State three problems facing forestry in Canada

(3mks)

SECTION B

Answer question 6 and any other two questions from this section

6. The table below shows crops production in Kenya for a period of five years in 1000 kilograms.

For marking schemes,prefer calling Mdm.Mariam-0746711892)

Use it to answer question (a)

CROP/YEAR	2005	2006	2007	2008	2009
Coffee	1000	900	800	700	800
Tea	700	700	600	680	600
Cotton	500	400	300	600	350
pyrethrum	300	200	300	440	450

(a) (i) Using a scale of 1 cm represent 200 kilograms present the above data using a compound bar graph.(9 marks)

(ii) List two advantages of using a compound bar graph to represent statistical data.(2 mks)

(b)(i)Other than Ghana, name other two counties West Africa where cocoa is grown (2 mks)

(ii) State three physical conditions that favor the growth of cocoa in Ghana.(3 mks)

(c) Describe how cocoa is processed in Ghana (6 mks)

(d)Give three importance of cocoa production to the economy of Ghana. (3 mks)

7a) i) identify**two** types of open cast mining. (2mks)

ii) Describe the stages involved in deep-shaft mining. (6mks)

b) State **three** negative effects of mining on the environment. (3mks)

c) Give **two** reasons why Kenya import her oil in crude form. (2mks)

d) Explain **four** ways in which mining contributes to the economy of Kenya.(8mks)

e) Explain how the following factors influence exploitation of minerals.

- Technology (2mks)
- Quality of the ore. (2mks)

8. Use the map of North America to answer the questions below.



For marking sche

(a) (i) Name the ocean currents named K and L (2 mks) (ii) Name two methods of fishing used in the shaded area. (2 mks)

(b) Explain how the following factors favour fishing in the shaded area.

(i) Indented coastline (2 mks)

(ii) Ocean currents (2 mks)

(c) Explain four ways in which marine fisheries in Kenya can be conserved (8 mks)

(d) (i) Give three methods used to preserve fish in Kenya (3 mks)

(ii) Explain three problems experienced by fishermen in Lake Victoria (6 mks) 9(a)(i) Name **two** geothermal power stations in Kenya (2mks)

(i)Explain three physical factors that influence the location of geothermal power stations

(b)(i)State **three** negative effects of energy crisis (3mks)

(ii)Explain **four** measures taken by the Kenyan Government to manage and conserve energy (8mks)

(c)(i)State **three** challenges facing energy management in Kenya (3mks)

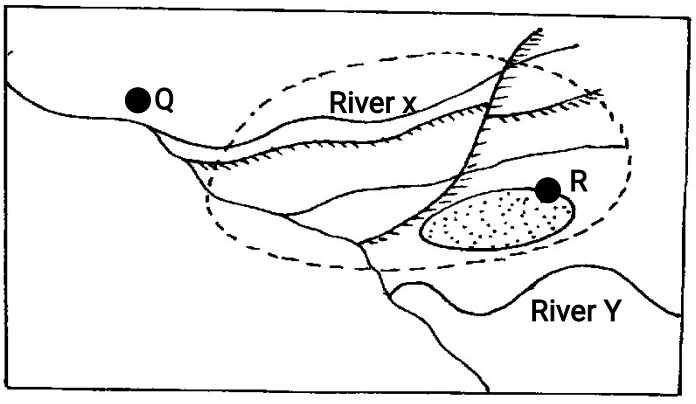
(ii)State **three** disadvantages of natural gas (3mks

10(a)(i) Differentiate between industry and industrialization. (2mks)

(ii)Name a town in Kenya where each of the following industries is located.

- Oil Refining (1mk)
- Paper manufacturing (1mk)
- Motor vehicle assembly (1mk)

(b)Study the map of the Ruhr industrial region and use it to answer the question below.



For marking schemes,prefer calling Mdm.Mariam-0746711892)

Name;

(i)The rivers marked **X** and **Y** (2mks)

(ii)Towns marked **Q** and **R** (2mks)

(iii) A part from iron and steel industry, name **two** other industries in the region (2mks)

(c)Explain **five** factors which influenced the location of iron and steel industry in the Ruhr region of Germany

(10mks)

(d)State **four** problems facing cottage industry in India (4mks)

KCSE PREDICTION 12 .

PAPER 1

SECTION A. (25mks)

Answer all the questions in this section.

1. (a) Differentiate between a latitude and a longitude. (2mks)
(b) If the time in town Y which is 75°W is 5 am, what is the time in town P which is 40°E? (3mks)

2. (a) State two characteristics of sedimentary rocks in Kenya. (2mks)
(b) Give two examples of metamorphic rocks. (2mks)

3. (a) State two categories of vegetation in Kenya. (2mks)
(b) Mention three characteristics of grasslands. (3mks)

4. (a) State two theories of formation of the earth. (2mks)
(b) Name four layers of the earth's atmosphere. (4mks)

5. (a) Name three transitional zones of the atmosphere. (3mks)
(b)Give two reasons why cloud concentration is higher in the atmosphere. (2mks)

SECTION B (75mks).

Answer question 6 and any other two questions in this section

6. Study the map of Taita Hills 1:50,000 sheet 189/4 provided and use it to answer the following questions. (a) (i) Name two natural features found in the grid square 2628. (2mks)
(ii) Determine the distance of road D 538 from the junction at the Grid square 3422 to the junction at the grid square 4218. (2mks)
(iii) State two functions of Wundanyi Township. (2mks)

(iv) Convert the scale of the map into a statement. (2mks)

(b) Draw a rectangle 14cm by 7cm to represent a section of the map enclosed by Easting 22 and

For marking schemes,prefer calling Mdm.Mariam-0746711892)

36 and
Northings 20 and 27. (1mk)

On the rectangle mark and name the following features.

(i) Rock outcrop (1mk)
(ii) River Ruhia (1mk)
(iii) All weather Road Bound surface (1mk)
(iv) Thicket (1mk)
(v) Mgange Hills (1mk)

(c) Explain three factors which were influenced the distribution of settlement in the area covered by the map.
(6mks

(d) Describe the relief of the area covered by the map. (5mks)

7. (a) What is a river? (2mks)

(b) Using simple diagram, describe the drainage patterns.

(i) Radial

(ii) Centripetal pattern. (2mks

(iii) Dentritic pattern. (2mks

(c) Explain three ways through which R. Nyando erodes its channel. (6mks)

(d) Students of Kaplong high school carried out a field study on effects of R. Kipsonoi on people living near it.

(i) Apart from observation method, state two other methods they used to collect data. (2mks)

(ii) State two importance of reconnaissances to their study. (2mks)

(iii) Mention two negative and two positive effects of the river which the students are likely to have studied. (4mks)

(e) State three ways through which rivers in Kenya transport their loads. (3mks)

8. (a) What are coral coast? (2mks)

(b) State three conditions which favours growth of coral polyps. (3mks)

(c) With the use of simple diagrams, explain the formation of the following coastal features.

(i) An arch (3mks)

(ii) A stack (3mks)

(d) Students of Shimo La Tewa high school did field study on effects of coastal depositional features on Kenya.

(i) Mention two methods they might have used to collect information before the actual field study.
(2mks)

(ii) State two land transport they might have used to travel. (2mks)

(iii) Explain the effects of coastal depositional features they could have studied. (4mks

For marking schemes,prefer calling Mdm.Mariam-0746711892)

(e) With specific reference to East African lakes, explain three effects of lakes. (6mks)

PAPER 2

SECTION A (25 marks)

Answer all questions in this section.

1 a) Distinguish between market gardening and horticulture. (2mks) b)

Give three human factors favoring horticulture in Kenya. (3mks)

2 a) Name any two traditional methods of fishing used by fishermen in Western Kenya. (3mks)

b) State three measures that Kenya government should undertake to conserve marine fisheries. (3mks)

3 a) State three measures being undertaken by the government to conserve forest. (3mks)

b) Identify two problems facing forestry in Canada. (2mks)

4 a) State three factors influencing exploitation of minerals. (3mks)

b) Identify two types of underground mining. (2mks)

5 a) List three social factors that influences agriculture (3mks)

b) Name two provinces in Canada where wheat is cultivated. (2mks)

SECTION B (75 MARKS)

ANSWER QUESTION 6 AND ANY OTHER TWO QUESTIONS IN THIS SECTION.

6. Study the table below and answer the question that follows.

The table below shows a hypothetical data in population of livestock in various geographical regions of the world in the year 2016 in "000 OOO".

REGION	POPULATION
AFRICA	55,794,324
EUROPE	3,632,720
NORTH AND SOUTH AMERICA	46,891,054

For marking schemes,prefer calling Mdm.Mariam-0746711892)

MIDDLE EAST	6,485,252
FAR EAST AND AUSTRALIA	21,180,986
OTHER AREAS	2,724,432
TOTAL	136, 708,768

a i) Using a radius of 4 cm, draw a divided circle to represent the data in the table.

(Round off the population to the nearest one million) (10mks)

ii) State any three advantages of the method you have used to represent the data in (a) i).

b) i) Name two counties in Kenya where beef farming is practiced. (2mks) ii)

Outline four problems facing beef farming in Kenya. (4mks) c)

Discuss any three differences between beef farming in Kenya and Argentina.

(6mks) 7) a) i) Name three methods which have been used to reclaim land in Kenya.

(3mks)

ii) Explain three physical factors that influenced the location of Mwea Tebere irrigation Scheme.

(6mks)

iii) Describe the stages involved in reclaiming land from the sea in the Netherland. (6mks) d)i)

Explain three benefits of Dutch got from the Zuider sea project. (6mks)

ii) Give four ways through which the Kenyan government is solving the problem of diseases and pests in the
Mwea Tebere Irrigation Scheme. (4mks)

8) a) Name two natural habitats for wildlife. (2mks)

b) Explain two problems facing wildlife conservation. (4mks)

c) State three significance of wildlife conservation. (3mks)

d i) What is domestic Tourism. (2mks)

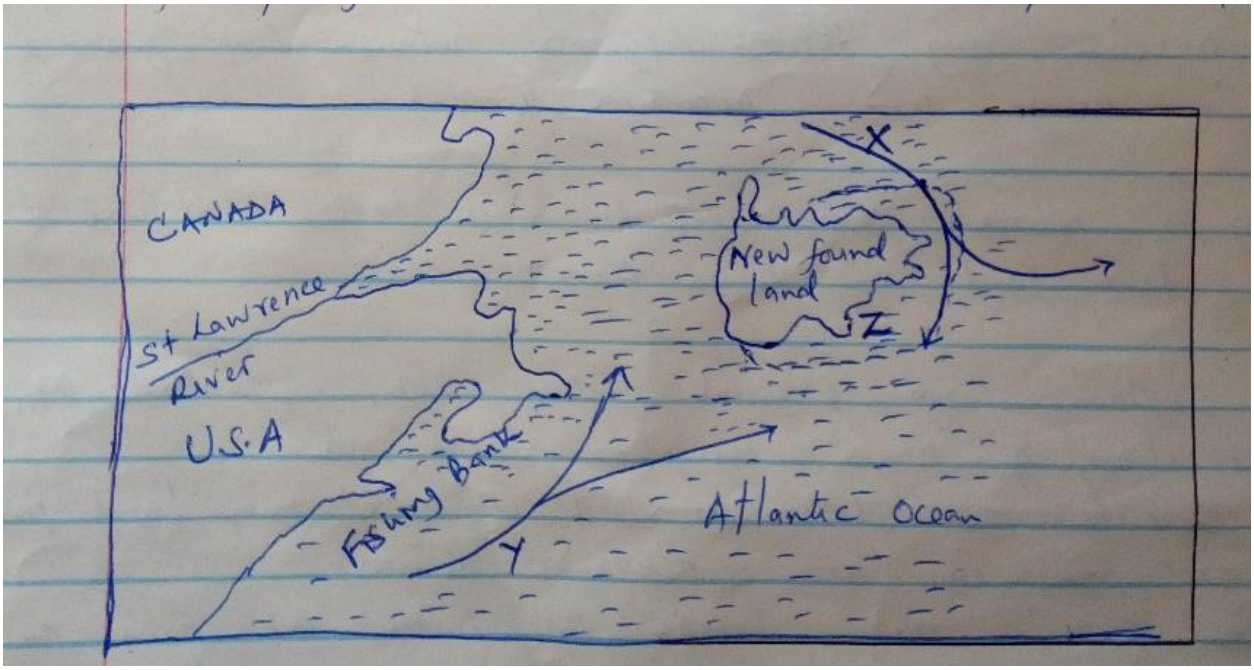
ii) Explain five factors that hinders domestic Tourism. (10mks)

iii) Name two main tourist areas in Switzerland. (2mks) iv)

How does scenery influence tourism in Switzerland. (1mk)

9. The diagram below shows North West Atlantic fishing ground. Use it to answer question (a)

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a)Name

i) Ocean currents marked X and Y

ii) Fishing bank marked Z

iii) State two fish species harvested in the fishing bank near the ocean current marked Y (2mks)

a) Explain four factors that contribute to low fish haul from Kenya's marine fisheries. (8mks)

b) Explain four problems experienced by fishermen in Kenya (8mks)

c) State four reasons why the government is encouraging fish farms (4mks)

10) a) Differentiate between population structure and population trends (2mks)

b) Explain four factors which have contributed to rapid population growth in Kenya in the recent years. (8mks)

c) i) State four causes of the increasing infertility among the Kenyan women. (4mks)

ii) What measures has the Kenyan government taken to control high mortality rates among children (5mks)

d) Explain three problems caused by an aging population. (6mks)

<u>KCSE PREDICTION 13 .</u>

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PAPER 1

SECTION A: 25 MARKS

*Answer **ALL** questions in this section*

1. Describe the formation of planet earth according to the passing star theory. **(5 marks)**

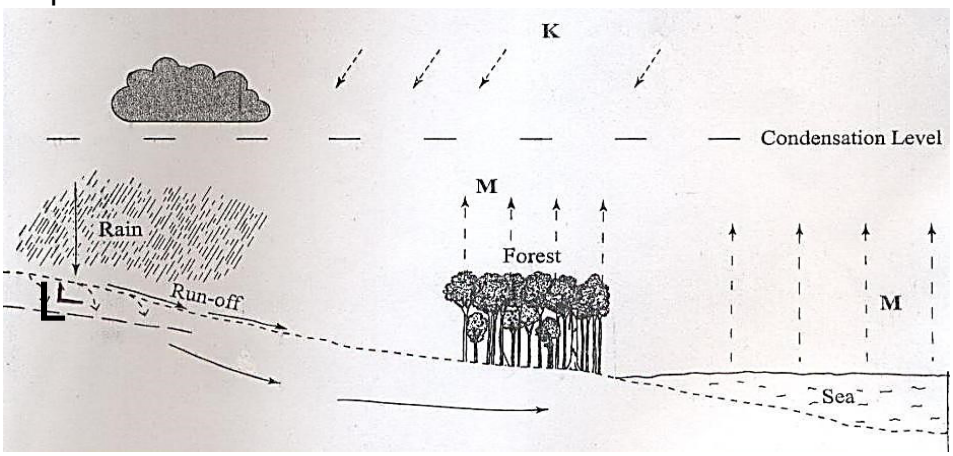
2. (a) Give **two** examples of sedimentary rocks. **(2 marks)**

(b) State **three** characteristics of sedimentary rocks. **(3 marks)**

3. (a) Differentiate between weathering and mass wasting. **(2 marks)**

(b) State **three** causes of landslides. **(3 marks)**

4. (a) The diagram below shows the hydrological cycle. Study and use it to answer the question that follows.



(a) Identify the processes marked **K** and **L**. **(2 marks)**

(b) State **three** characteristics of a flood plain. **(3 marks)**

5. (a) State **two** reasons why wind erosion is dominant in arid areas. **(2 marks)**

(b) Describe how a Bajada is formed. **(3 marks)**

SECTION B

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

6. Study the map of Taita hills, ***1:50,000*** sheet provided and answer the question that follow.

(a) (i) What is the latitudinal and longitudinal extent of Taita Hills map extract?

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(2 marks)

(ii) Convert the ratio scale of the map into statement. **(2 marks)**

(b) Citing evidence from the map, identify **four** social activities in the area covered by Taita Hills.

(4 marks)

(c) (i) Draw a rectangle 20cm by 16cm from Easting 32 to 37 Northings 14 to 18. **(2 marks)**

(ii) On the rectangle mark and name; **(4 marks)**

- Taita sisal estate
- Hills
- Main track/motorable
- River

(iii) Calculate the new scale of the drawn rectangle. **(2 marks)**

(d) Citing evidence, explain **three** ways how relief has influenced the distribution of settlement in Taita Hills. **(6 marks)**

(e) Describe the vegetation in the area covered by the map. **(3 marks)**

7. (a) Name **two** instruments kept in a Stevenson screen. **(2 marks)**

(b) The diagram below shows a weather measuring instrument. Use it to answer the questions below.

M

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp in ^{0}C	30	31	31	29	27	27	28	29	28	28	27	30
Rainfall in mm	257	246	231	234	207	201	218	227	234	240	235	230

(i) Name the parts marked **M** and **N**. **(2 marks)**

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(ii) Describe how the instrument works. **(4 marks)**

(c) The table below shows climatic figure for station **Q**. Use it to answer the questions that follow.

(i) Calculate the annual range of temperature for station **Q**. **(2 marks)**

(ii) Give **four** characteristics of climate for station **Q**. **(4 marks)**

(d) With the aid of a well-labelled diagram, describe the formation of cyclonic rainfall. **(6 marks)**

(e) You intend to carry out a field study of a weather station in your school.

(i) Give **two** methods of recording data that you are likely to use. **(2 marks)**

(ii) State **three** reasons why the recording of data at a school weather station may be inaccurate. **(3 marks)**

8. (a) (i) Distinguish between a fault and a fold. **(2 marks)**

(ii) Give **three** factors that influence folding. **(3 marks)**

(b) Describe how isostatic adjustment cause earth movement. **(5 marks)**

(c) Describe how plate tectonic movements cause fold mountain formation. **(5 marks)**

(d) (i) Name **two** features resulting from faulting. **(2 marks)**

(ii) Explain how faulting influences drainage of an area. **(8 marks)**

9. (a) Distinguish between soil profile and soil catena. **(2 marks)**

(b) Explain how the following factors influence soil formation:

(i) The parent rock **(4 marks)**

(ii) Relief **(2 marks)**

(c) Describe laterization process of leaching. **(4 marks)**

(d) State **three** importance of soil structure. **(3 marks)**

(e) Give **two** characteristics of Azonal soils. **(2 marks)**

(f) Explain **four** causes of physical soil degeneration. **(8 marks)**

10. (a) (i) Define the term Moraine. **(2 marks)**

(ii) State **three** conditions necessary for the formation of ice.

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(3 marks)

(b) Describe how ice moves through the following:-

(i) Basal slip (3 marks)

(ii) Extrusion flow (3 marks)

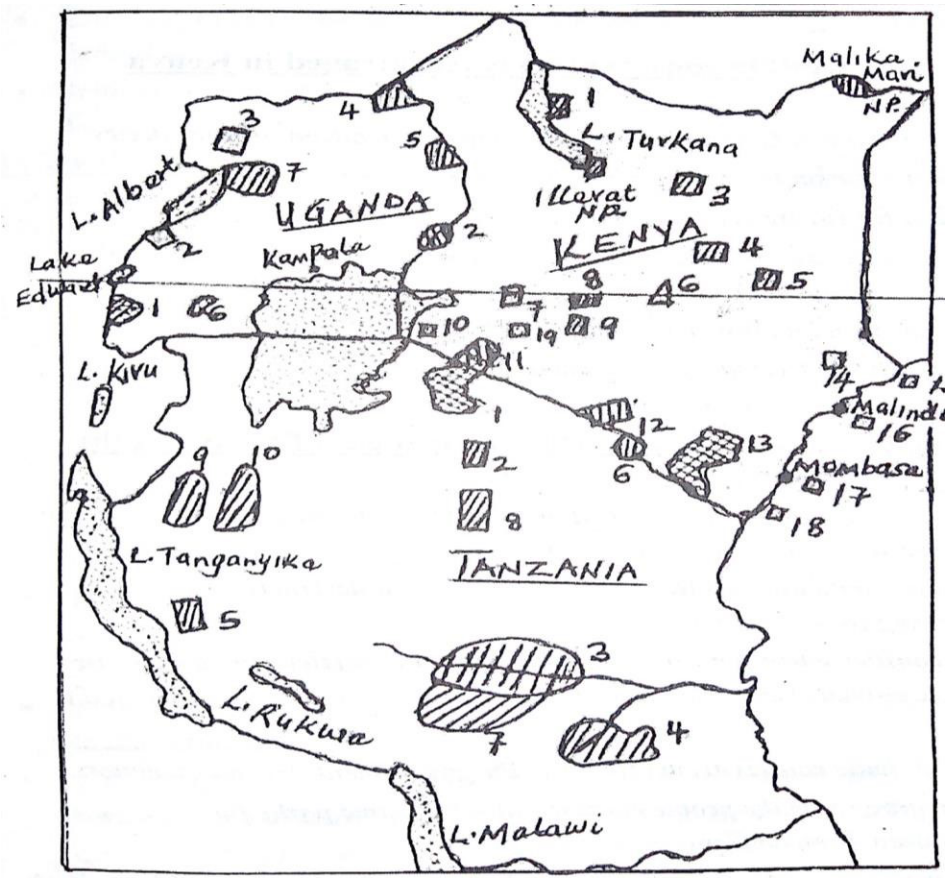
(c) Describe how an arete is formed. (6 marks)

(d) Explain the **four** Significance of lowland glaciated features to human activities. (8 marks)

PAPER 2

SECTION A:

*Answer **ALL** questions in this section*



1. a). Define mining. (2marks)

For marking schemes,prefer calling Mdm.Mariam-0746711892)

b). State **three** factors influencing the occurrence of minerals. **(3marks)**

2. a). State **three** advantages of Hydro-electric power in Kenya. **(3marks)**

b). Give **two** measures of conservation energy. **(2marks)**

3. (a) Study the map blow of East Africa and use it to answer questions.

Name

(i). The National Park marked **2.** **(1mk)**

(ii). The Game Reserve marked **4**. **(1mk)**

(iii). The game sanctuary marked **7.** **(1mk)**

(b) State **three** reasons why Switzerland receives more tourists than Kenya. **(3marks)**

4. Identify **four** factors which have contributed to the growth of Mombasa as an international port.

(4marks)

5. Outline the stages of reclamation of land from the sea in the Netherlands through the Zuider Zee project. **(5marks)**

SECTION B

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

6. (a). The table below shows maize production in Kenya per county; between 2017 – 2018 in `000 kgs.

County / Year	2017	2018
Trans–Nzoia	33,055	34,065
Uasin–Gishu	27,060	30,040
Nakuru	12,022	14,145
Bomet	11,336	10,272
Narok	10,678	12,128
TOTAL	**83,352**	**100,650**

(i). Using a scale of ***1cm to represent 10 million kgs***, draw a divided rectangle to represent the data for maize production in 2018.

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(6marks) (ii). Describe the production of maize in the 5 counties in Kenya.

(4marks)

(iii). State **three** disadvantage of using a divided rectangle to represent the above data. **(3marks)**

(b). State **three** physical conditions that favour maize growing in Kenya. **(3marks)**

(c). Give **three** problems facing maize farmers in Kenya. **(3marks)**

(d). Explain **three** ways in which the government of Kenya can assist maize farmers in Kenya. **(6marks)**

7. (a) State **four** physical factors that favored the establishment of Ruhr Industrial region in Germany. **(4marks)**

(b). Explain **four** problems arising from industrialization in Kenya. **(8marks)**

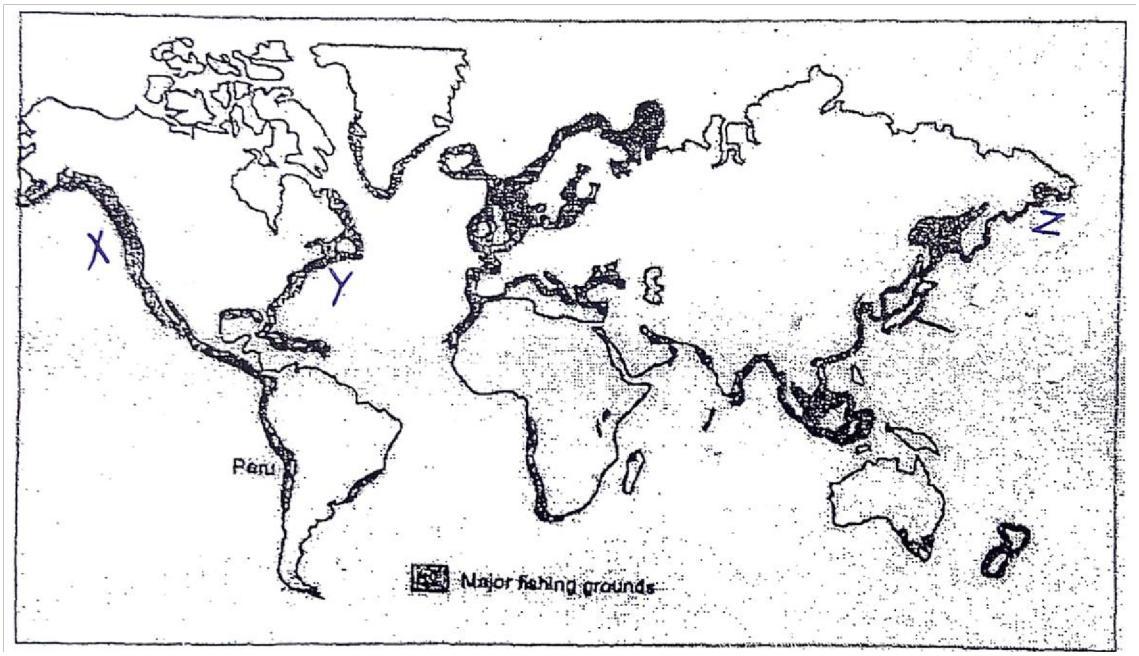
(c). State **five** characteristics of cottage industry in India. **(5marks)**

(d). Form **four** students in your school carried a field study on Thika town.

(i). Give **four** factors that led to growth of Thika as an industrial centre. **(4marks)**

(ii). Give **four** advantages of studying industry through field work. **(4marks)**

8. Study the map of the world below and use it to answer question (a) (i)



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(a). (i). Name the fishing grounds marked. **(3marks)**

X -

Y -

Z -

(ii). Explain **three** physical factors influencing fishing in the region marked ***X*** on the map.

(6marks)

(b) Describe how the basket method is used in catching the fish. **(5marks)**

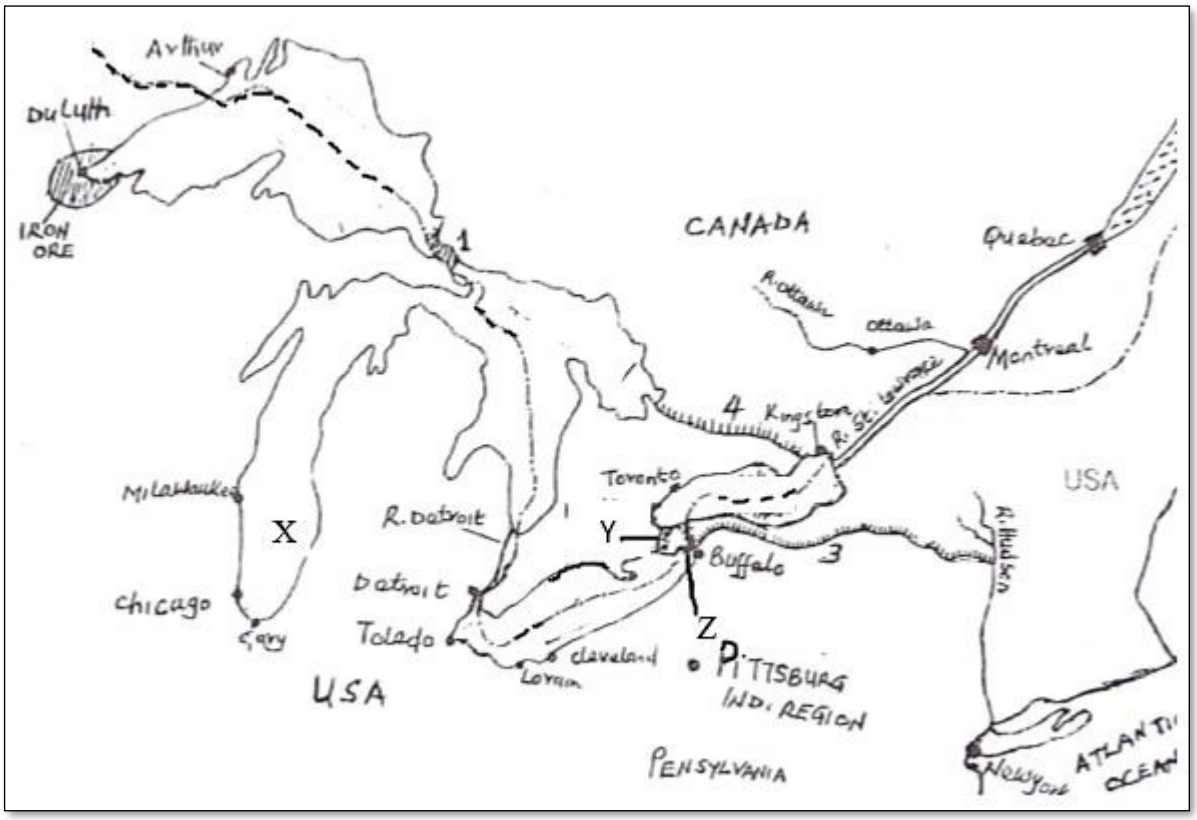
(c) (i) State **five** ways in which marine fisheries in Kenya can be conserved. **(5marks)**

(ii) Name **three** methods used to preserve fish in lake Turkana. **(3marks)**

(d). State **three** characteristics of demersal fish. **(3marks)**

9. (a). Study the map outline below shows the Great lakes and St. Lawrence sea way and use it to answer questions below.

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(i). Use the map to name the following: **(4marks)**

- The lake marked X
- The canal marked Y
- The waterfall marked Z

(ii). State **five** problems and the solutions faced during the construction of the Great lakes and St. Lawrence sea way. **(5marks)**

(iii). Explain **three** ways through which the water way has promoted industrialization in the economies of the Canada and U.S.A. **(6marks)**

(b). State **four** ways in which the Kenyan government has promoted air transport. **(4marks)**

(c). What is containerization? **(2marks)**

(d). Give **four** advantages of the Great North road. **(4marks)**

10. (a) Differentiate between management and conservation of environment. **(2marks)**

(b) (i) State **four** reasons for the management and conservation of environment. **(4marks)**

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(ii) Give **three** man-made hazards in your country. **(3marks)**

(c) State **five** effects of drought in Kenya. **(5marks)**

(d) You are planning to carry out a field study on causes of pollution along Nairobi river.

(i) Identify **three** ways you will need to prepare for the study. **(3marks)**

(ii) Identify **five** causes of pollution you are likely to see along Nairobi river.**(5marks)**

(ii) What are possible follow-up activities that students will be involved in after the study? (3mk

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👉 ***Primary-secondary school exams***

👉***2020 updated schemes of work (primary-secondary)***

👉***All KASNEB notes(CPA,CICTCIFA,CS,ATD,ICT &IT)***

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