TOP SCHOOLS PREDICTIONS

GEOGRAPHY

KCSE PREDICTION TESTS (1-10)

2nd Series of Sampled Top Performing Schools Possible Questions in Geography Expected in the Forthcoming Annual Final KCSE Examinations for our Candidates.

SERIES 2

For Marking Schemes Call/WhatsApp

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MWALIMU AGENCY

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 1 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

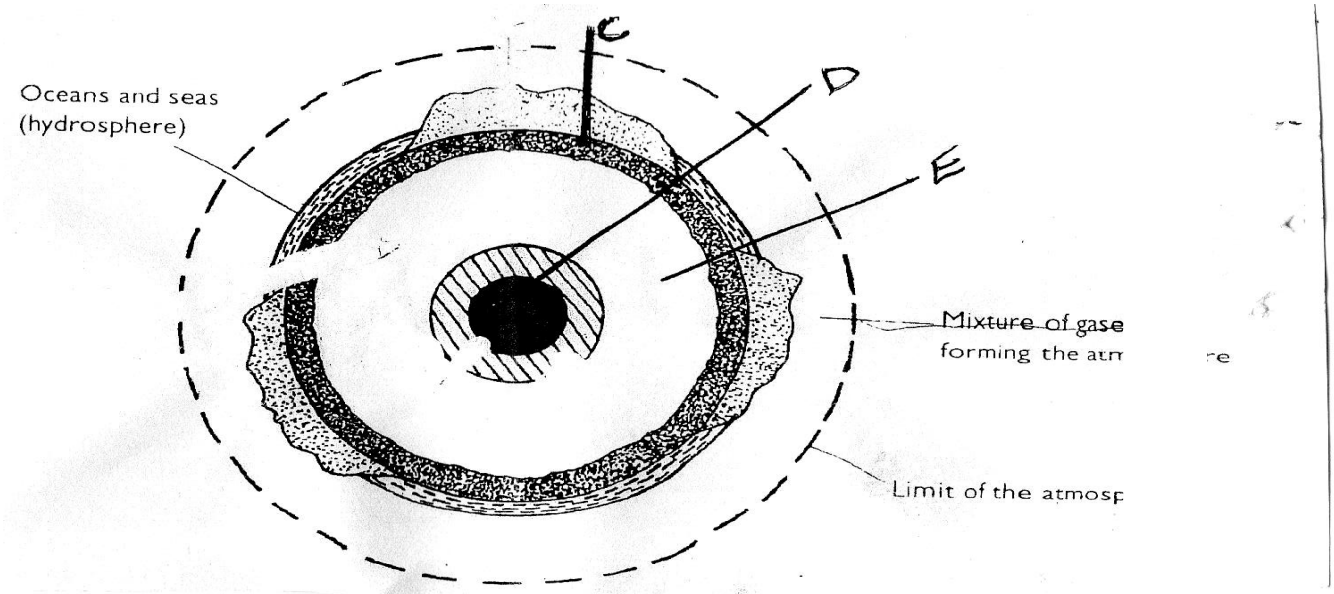
GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. Study the diagram below showing the Internal Structure of the earth and answer question **(a)** and **(b)**



(a) Name the parts marked **C** and **D** **(2 marks)**

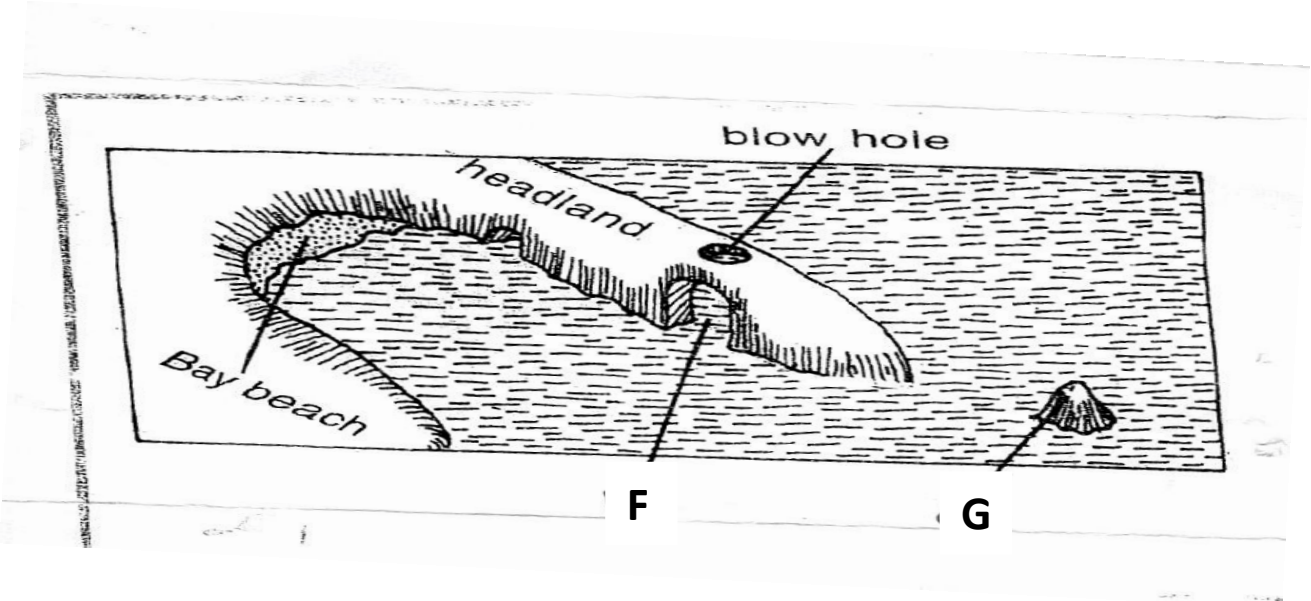
(b) State three characteristics of parts marked **E** **(3marks)**

2. Describe the origin of continents according to the theory of Continental Drift **(5marks)**

3. (a) Give three processes that lead to the formation of Lakes**.** **(3 marks)**

(b) Apart from Lake Magadi, name two other lakes within the Rift Valley in Kenya that have high levels of salinity. **(2 marks)**

4. The diagram below shows erosional features of the waves at the coast. Use it to answer question (a)



(a) Identify the features marked **F** and **G**. **(2 marks)**

(b) Give three submerged upland coasts (**3 marks)**

5. **(a)** Distinguish between soil profile and soil catena **(2 marks)**

(b) Give three soil forming processes. **(3 marks)**

SECTION B

Answer question 6 and any other questions from this section.

6. Study the map of **Karatina (1:50,000)** sheet 121/3 provided and answer the following questions.

(a) **(i)** Give the latitudinal extent of the area covered by the map. **(2marks)**

(ii) Identify two districts represented in the area covered by the map. **(2 marks)**

(iii) Convert the ratio scale used in the map to a statement scale. **(2marks)**

(b) **(i)** Calculate the bearing of Kiriti school in grid square 9745 from a school in grid square 9451. **(2 marks)**

(ii) Measure the distance of an all weather road, bound surface from a junction in grid square 9247 to a junction at Gatei, grid square (9556) **(2 marks)**

(c) Draw a rectangle measuring 15cm by 12cm to represent the area covered by the map. **(1mark)**

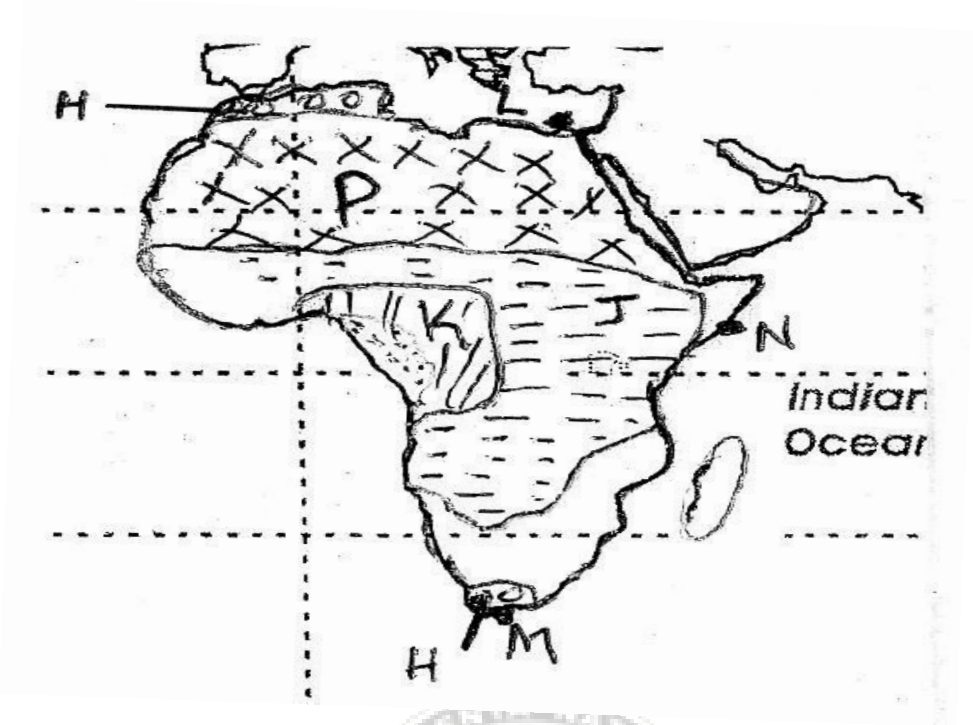
On it mark and name the following

- Karatina town **(1mark)**
- Tumutumu forest **(1 mark)**
- A hill at Tagwa **(1 mark)**
- A papyrus swamp **(1 mark)**

(d) **(i)** Describe the distribution of settlement in the area covered by the map. **(6marks)**

(ii) Citing evidence from the maps, explain the factors favouring coffee farming in the area covered by the map. **(4 marks)**

7. Study the map of Africa provided below and answer questions **(a)** and **(b)**



(a) **(i)** Identify climatic regions marked **H, J** and **K** **(3 marks)**

(ii) Give the names of the towns marked **L, M** and **N**. **(3 marks**

(b) State five characteristics of climatic region marked **P** **(5 marks)**

(c) **(i)** Give three natural causes of climate change **(3 marks)**

(ii) State five effects of climatic change **(5 marks)**

(d) You are supposed to carryout a filed study on weather within your school compound.

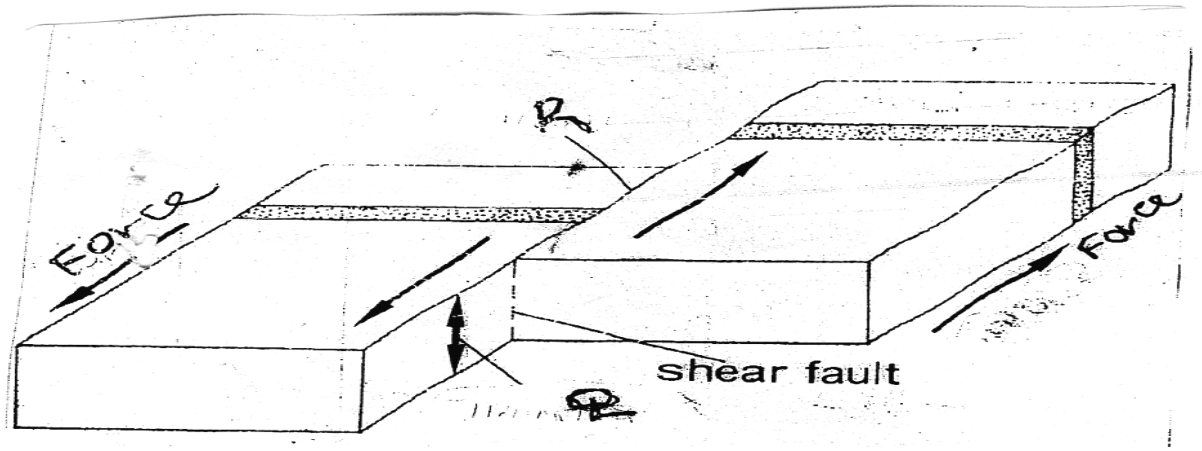
Describe how you would use the following instrument during the study.

(i) The Hygrometer **(3 marks)**

(ii) The rainguage **(3 marks)**

8. **(a)** **(i)** Distinguish between faulting and folding **(2 marks)**

(ii) The following diagram shows a shear fault. Name the parts marked **Q** and **R.** **(2 marks)**



(iii) Apart from shear fault give three more types of faults **(3 marks)**

(b) Describe how a fault block is formed **(4 marks)**

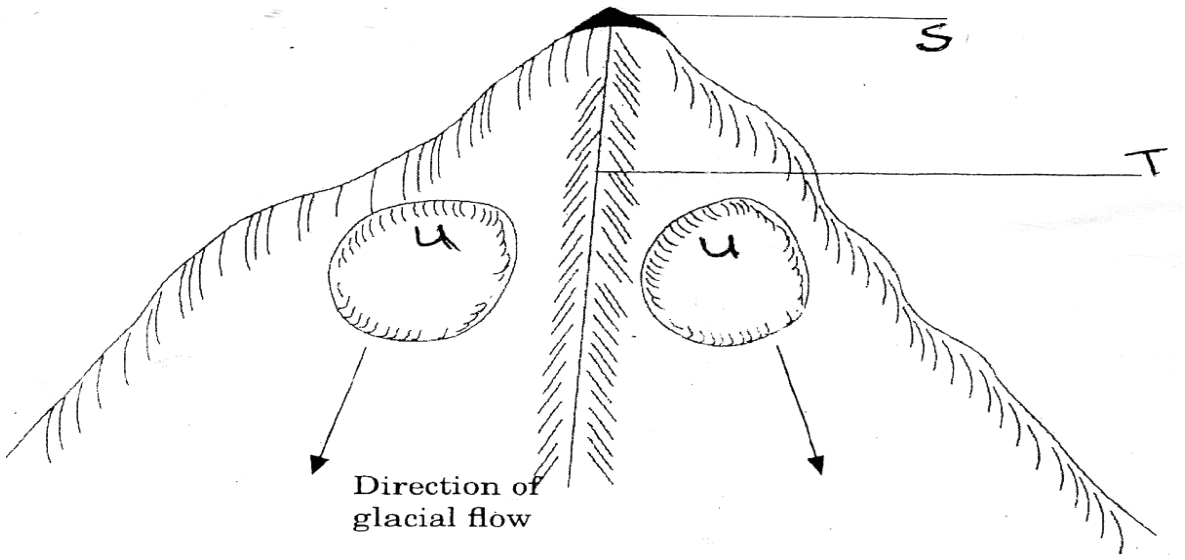
(c) Explain four positive effects of faulting **(8 marks)**

(d) Your class intends to carry out a field study on t he floor of Gregory Rift. Valley

(i) Which three volcanic features would they identify? **(3 marks)**

(ii) State three problems which they are likely to experience **(3 marks)**

9. The diagram below show glaciated highlands. Use it to answer question (a) (i)



(i) Name the features marked **S,T,** and **U.** **(3 marks)**

(ii) Give three ice capped mountains in Africa, **(3 marks)**

(b) (i) Draw a diagram showing a valley glacier. **(1 mark)**

On it mark and name the position of the following types of moraines. **(3 marks)**

- Lateral moraine
- Medial moraine
- Terminal moraine

(ii) Using a diagram describe how a crag and tail is formed. **(7 marks)**

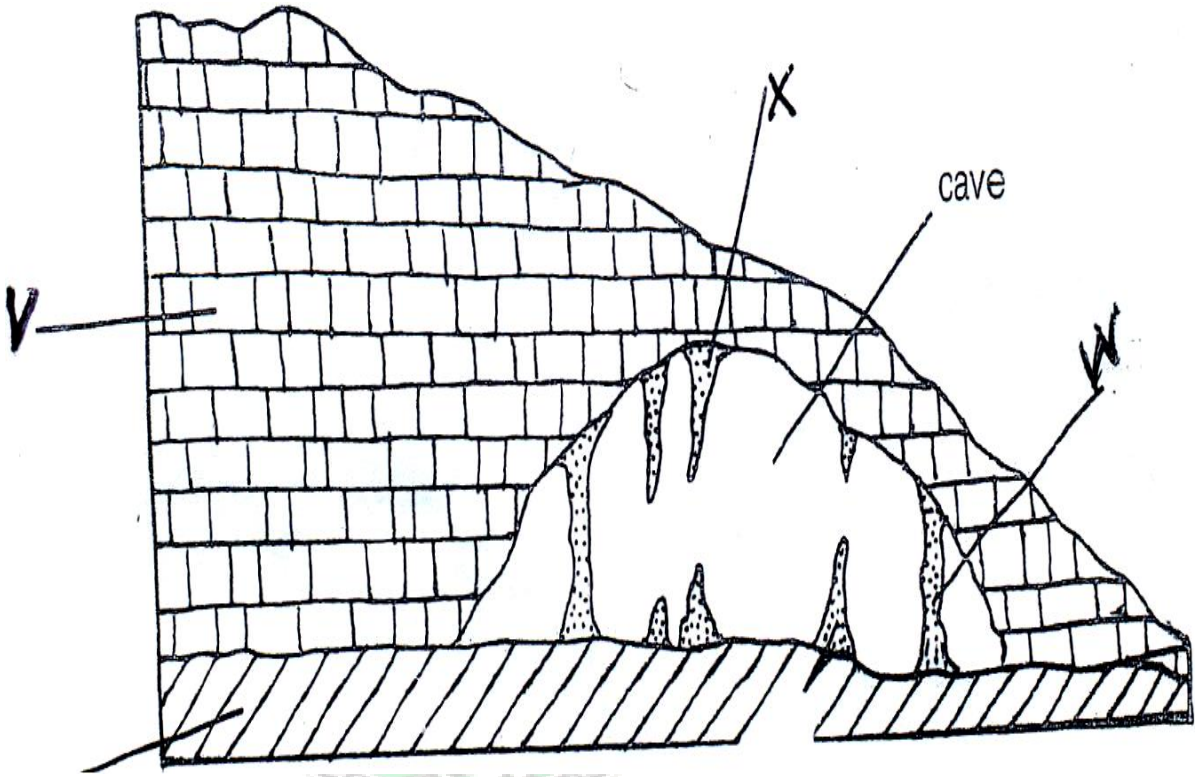
(c) Explain four significance of glaciated landscape to human beings. **(8 marks)**

10. (a)(i) Give four sources of underground water. **(4 marks)**

(ii) Which are the three zones of saturation below the earth surface. **(3 marks)**

(b) State three conditions necessary for the formation of Karst landscape. **(3 marks)**

(c) The diagram below shows underground features in a karst area. Use it to answer the questions **(i)** and **(ii)**



(i) Identify the features marked **V** and **W** **(2 marks)**

(ii) Describe how feature marked **X** is formed **(5 marks)**

(d) Explain four ways in which karst features influence human activities **(8 marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 1 PAPER 2

Time: 2 ¾ Hours

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SCHOOL…….. SIGN……

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INSTRUCTIONS TO CANDIDATES.

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FOR EXAMINERS USE ONLY

SECTION A

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MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. (a) Name two exotic species of trees in Kenya **(2marks)**

(b) State three reasons why it is necessary to carry out a forestation programs in Kenya **(3 marks)**

2. State three reasons why it is necessary to carry out afforestation programs in Kenya **(3marks)**

(b) Give two by-products of sugar-cane **(2marks)**

3. Use the map of East Africa below to answer question (a)

(a) Identify the National Parks marked **P,Q** and **R.** **(3marks)**

(b) Give two endangered species of game animals in Kenya **(2marks)**



4 (a) Name the main human activity which led to the growth of the following town in Kenya.

i) Thika **(3marks)**

ii) Eldoret

iii) Nairobi

(b) State two factors which may lead to development of linear settlement pattern **(2marks)**

5. (a) What is fertility rate? **(2marks)**

(b) Give three problems associated with slow population growth rate **(3marks)**

SECTION B

Answer question 6 and any other two questions in this section

6. The table below shows the value of Kenya's imports for selected items in year 2005 and 2006. Use it to answer question (ai). (Values are in million Ksh)

Item/Year	2005	2006
Petroleum	26035	22065
Machinery	37933	25474
Vehicles	14524	14382
Pharmaceuticals	7188	8678

(a (i) Calculate the percentage reduction of value of imported machinery between year 2005-2006. **(2marks**

(ii) Which item had the highest increase in value of imports between the two years? **(2marks)**

(iii) Using a vertical scale of 1cm represent Ksh.5000 million, draw a comparative bar graph to represent the data above. **(8marks)**

(b) (i) Distinguish between invisible exports and visible exports. **(2marks)**

(ii) Give five measures Kenya has taken to reduce the unfavourable balance of trade **(5marks)**

(c) Explain three benefits of international trade in Kenya. **(6marks)**

7 Define the term nomadic pastoralism **(2marks)**

(a) Give three breeds of beef cattle reared in Kenya. **(3marks)**

(b) Explain three reasons why pastoralists practice extensive grazing in Kenya. **(6marks)**

(c) State five ways in which the government of Kenya is assisting beef farmers. **(5marks)**

(d) State three factors favouring beef farming in Argentina **(3marks)**

(ii) Explain three ways in which beef farming in Kenya is different from beef farming in Argentina. **(6marks)**

8. What is fish farming **(2marks)**

(ii) Name three counties in Kenya where fish farming is commercially practiced. **(3marks)**

(b) A part from trawling, give three other commercial methods of fish **(3marks)**

(ii) Describe how trawling method is carried out in fishing. **(5marks)**

(c) State four problems facing fishing in Lake Naivasha **(4marks)**

(d) Explain four reasons why fishing Industry is well developed in North West Pacific region of the world. **(8marks)**

9. Distinguish between land **reclamation** and land **rehabilitation.** **(2marks**

(i) Apart from Perkerra irrigation scheme name three more irrigation schemes in Kenya. **(3mks).**

(b) State five factors which favoured establishment of Perkerra Irrigation Scheme**.** **(5marks)**

(c) Describe the stages involved in reclamation of land from the sea in the Netherlands. **(7marks)**

(d) Explain Four Factors that make polders of Netherland suitable for cultivation**.** **(8marks)**

10 (a) (i) What are environmental hazards? **(2marks)**

(ii) Apart from windstorms name three other environmental hazards associated with climatic conditions **(3marks)**

(iii) State three problems caused by windstorms in Kenya. **(3marks)**

(b) State Five causes of water pollution. **(5marks)**

(c) Explain four measures taken to combat noise pollution in Kenya. **(8marks)**

(e) A group of Form four students from a school in Nairobi Town went out for a field study on land pollution within the town. Give four causes of land pollution they may have observed. **(4marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 2 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

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MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

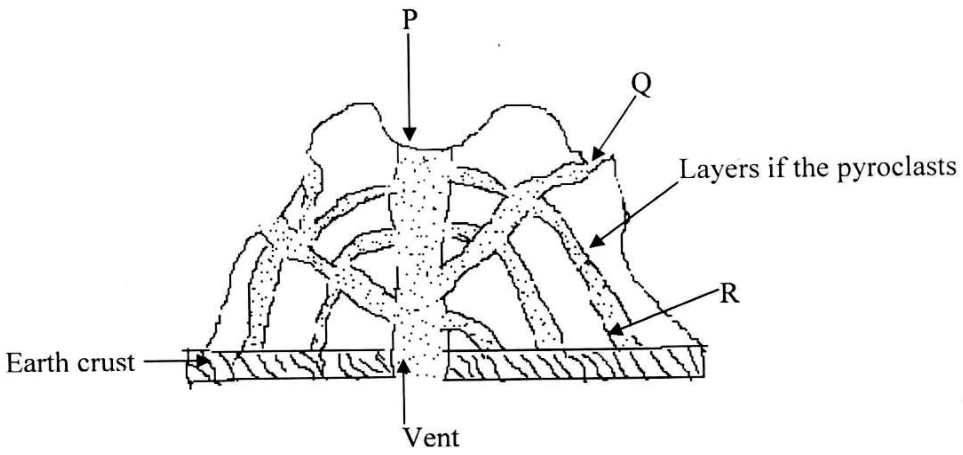
SECTION A

Answer All the Questions in This Section

1. (a) State **three** causes of volcanicity. **(3mks)**

(b) The diagram below shows a composite volcano. Name the features marked P and Q **(2mks)**

.



2. **(a)** Differentiate between weathering and mass wasting. **(2mks)**

(b) State **three** physical factors that influence the rate of mass movement. **(3mks)**

3. (a) Differentiate between plutonic and volcanic rocks. **(2mks)**

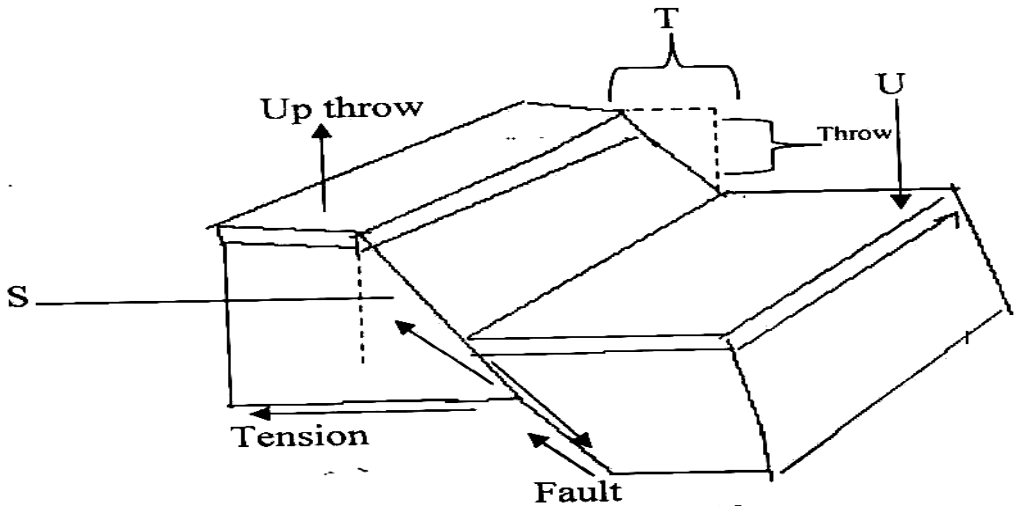
(b) Give an example in each of the following types of igneous rocks.

(i) Plutonic **(1mk)**

(ii) Hypabyssal **(1mk)**

(iii) Volcanic **(1mk)**

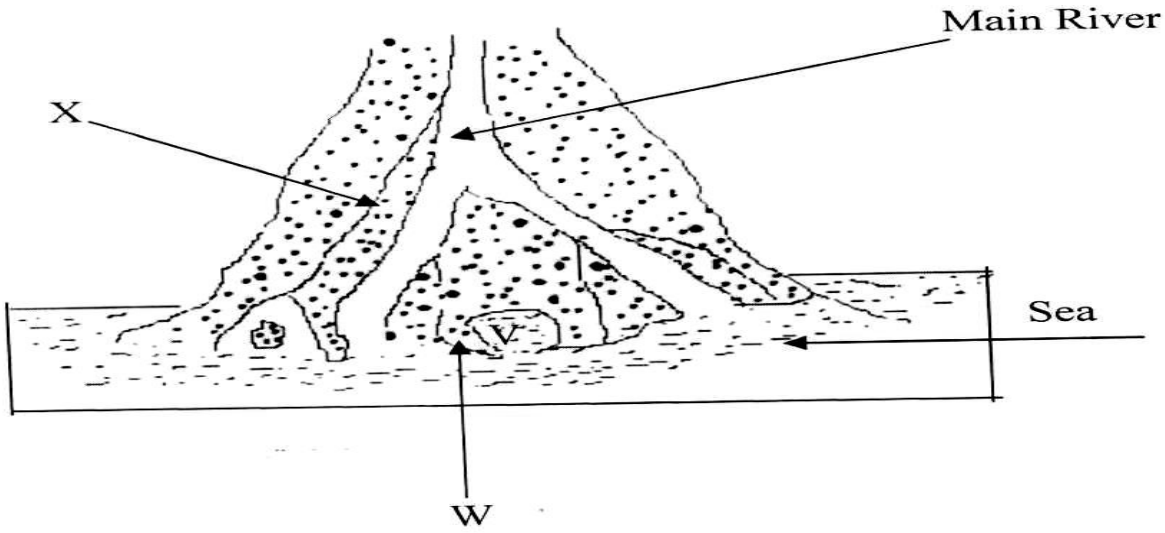
4. (a) The diagram below shows the formation of features resulting from faulting. Name the parts marked S, T and U. **(2mks)**



(b) Name **two** escarpments found within the Gregory rift system. **(2mks)**

5. **(a)** Define the term "Estuary." **(2mks)**

(b) The diagram below shows a delta. Name the features marked V, W and X. **(3mks)**



SECTION B

Answer question 6 and any other two questions in this section

6. Study the map of **Karatina (1:50,000)** sheet 121/3 provided and answer the following questions.

(a) (i) Give the six figure grid reference for Rititi school. **(1mk)**

(ii) Convert the scale used in the map to a statement scale. **(2mks)**

(iii) Give the magnetic variation on the map. **(1mk)**

(b) (i) Using a vertical scale of 1cm represents 30m. Draw a cross section between grid references 860490 to 920490. On it name and mark the following:- **(6mks)**

- River
- Road
- Settlement

(ii) Name **two** districts on the area represented on the map. **(2mks)**

(iii) Citing evidence, give **three** economic activities carried out at S.E. of Karatina. **(3mks)**

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

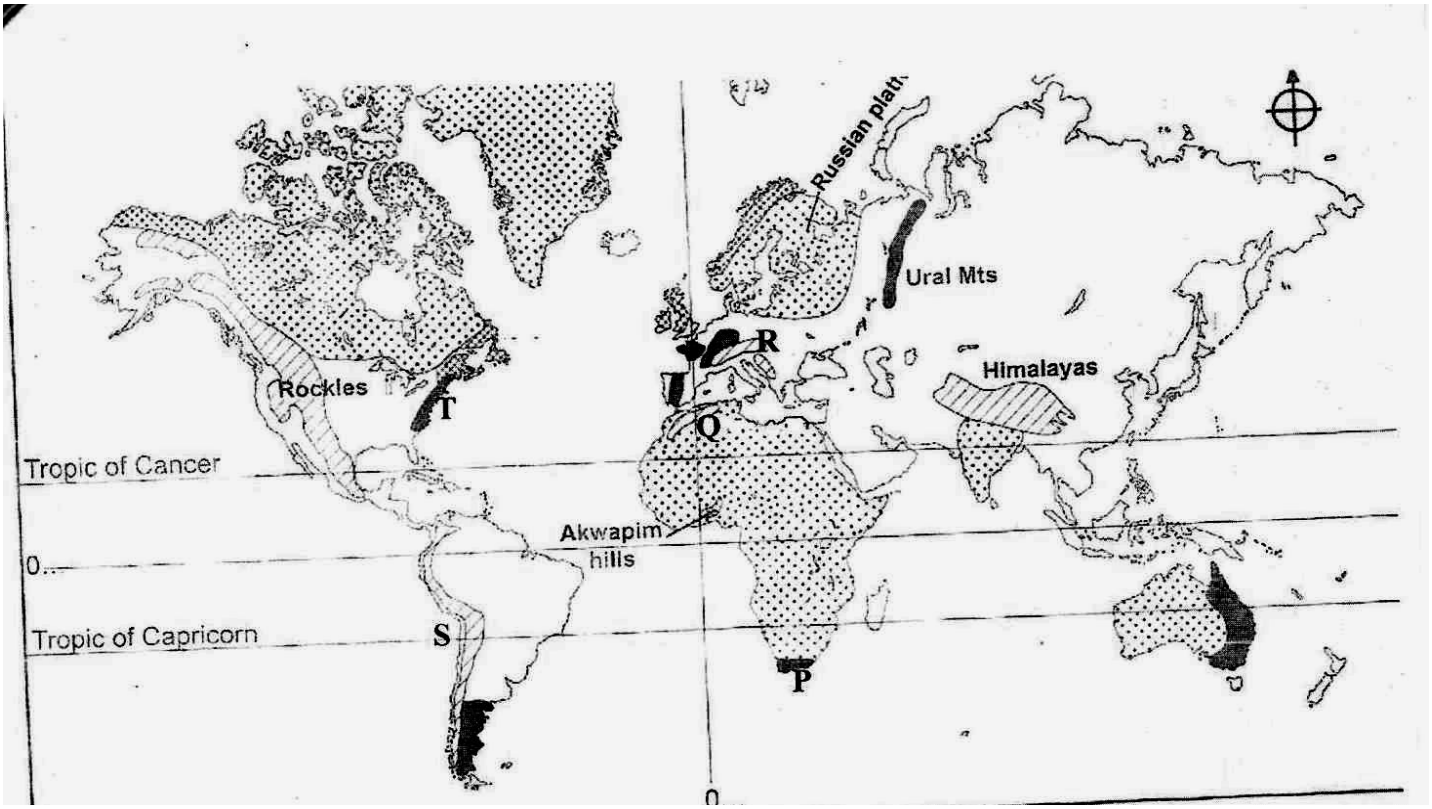
(d) Students of Gathambiro School (grid square 8857) carried out field study on thearea covered by the map.

(i) Name **three** physical features they may have identified. **(3mks)**

(ii) State **three** follow up activities they might have done after the fieldwork. **(3mks)**

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

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



(i) Name the features marked **P, Q, R, S and T.** **(5mks)**

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

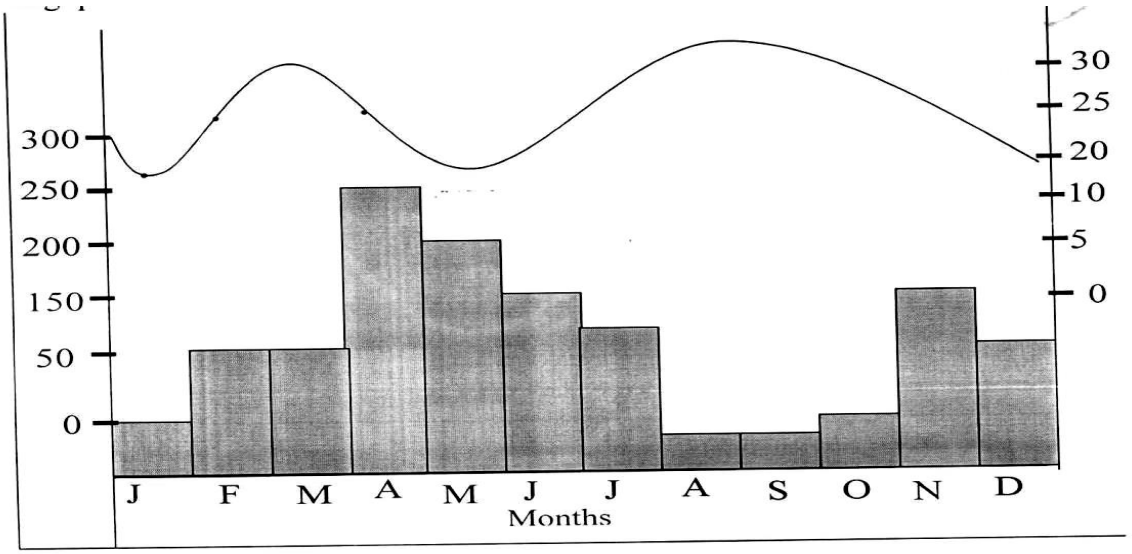
(c) Apart from Fold Mountains name other main lard forms resulting from folding**.** **(4mks)**

(d) Explain **four** ways in which Fold Mountains influences climate**.** **(8mks)**

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

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

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

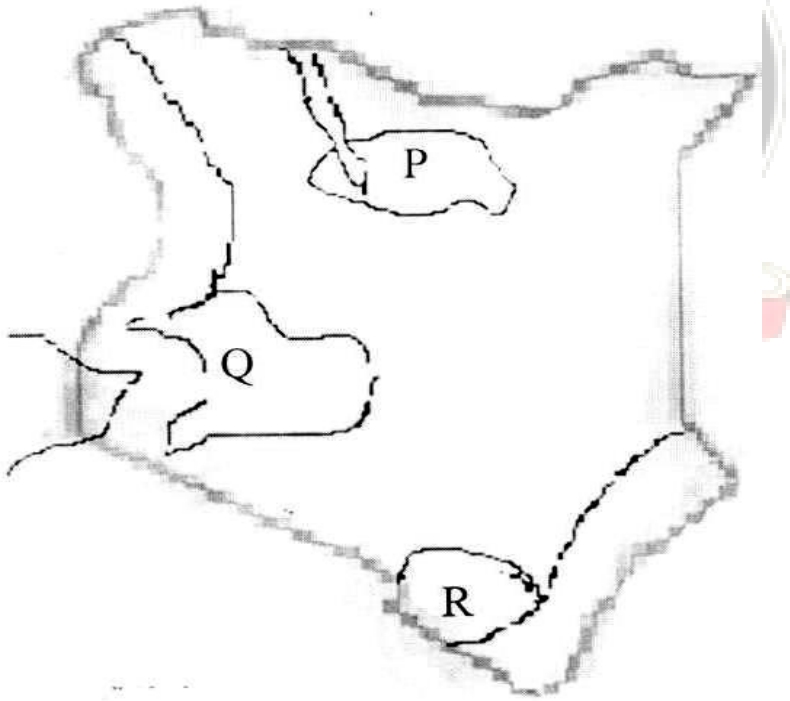


(i) Calculate the annual range of temperatures. **(2mks)**

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

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

(d) (i) The map below shows the climatic regions of Kenya. Name the parts marked Q and R. **(2mks)**



(ii) Give **four** development activities that the Kenyan government could initiate sustainably in the region marked P. **(2mks)**

(iii) Explain how the following factors influence the climate of a region:

i. Aspect **(2mks)**

ii. Ocean currents **(2mks)**

9. (a) (i) What is a Lake? **(2mks)**

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

(b) (i) With the aid of well labeled diagrams, describe how Lake Paradise in Kenya was formed? **(6mks)**

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

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

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

(i) Formulate **two** hypothesis of the study. **(2mks)**

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

10. (a) (i) Name **three** erosional features in glaciated lowlands. **(3mks)**

(ii) Describe the process involved in the formation of a tarn. **(5mks)**

(b) State **three** conditions that may lead to glacial deposition in lowlands**.** **(3mks)**

(c) Explain **four** ways in which a glaciated landscape is of significance to human activities. **(8mks)**

(d) Suppose students were to carry out a field study on glaciations on Mt. Kenya:

(i) Give **two** reasons why they would need a route map. **(2mks)**

(ii) Name **two** types of moraines they are likely to study. **(2mks)**

(iii) State **two** problems they are likely to experience during the field study. **(2mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 2 PAPER 2

Time: 2 ¾ Hours

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SECTION B

GRAND TOTAL

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MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** Differentiate between Renewable and Non-renewable sources of energy. **(2mks)**

(b) State **three** physical factors that favour generation of Hydro-electric power in Uganda. **(3mks)**

2. **(a)** Define the term a Forest. **(2mks)**

(b) State **three** factors that hinder exploitation of Tropical rainforest. **(3mks)**

3. **(a)** Name two primary sources of population data. **(2mks)**

(b) State **three** negative effects of high population to a developing country. **(3mks)**

4. **(a)** Give **three** factors to be considered when choosing a method of mining. **(3mks)**

(b) Name **two** examples of fossil fuels. **(2mks)**

5. **(a)** State **three** measures taken by the Kenyan government to control poaching of Elephants and Rhinos. **(3mks)**

(b) List any **two** problems associated with tourism in Kenya. **(2mks)**

SECTION B

Answer question 6 and any other two questions in this section

6. The table below shows the total number of horticultural crops exported from Kenya in 2008 and 2009. Use it to answer question (a) (i) and (a) (ii) below.

Crop	Total number of Horticultural crops	
	2008	**2009**
Oranges	942,000	965,000
Tomatoes	120,000	154,000
French beans	97,000	128,000
Passion fruits	94,000	103,000
Onions	19,000	24,000
Flowers	29,000	41,000
Total	**1,301,000**	**1,415,000**

(a) **(i)** Identify the crop which had the highest increase in the number of export

in Kenya between 2008 and 2009 and indicate the change. **(2mks)**

(ii) Calculate the percentage increase of onions between 2008 and 2009. **(3mks)**

(iii) Draw a divided rectangle 15cm long to represent the horticultural export from Kenya in 2009. Show your calculations. **(10mks)**

(b) **(i)** Name **three** horticultural farming areas of the Netherlands. **(3mks)**

Explain how the following factors influence horticultural farming in the Netherlands:

i. Technology **(2mks)**

ii. Marketing systems **(2mks)**

(d) State **three** reasons why horticultural goods are transported by air. **(3mks)**

7. What is fish farming? **(2mks)**

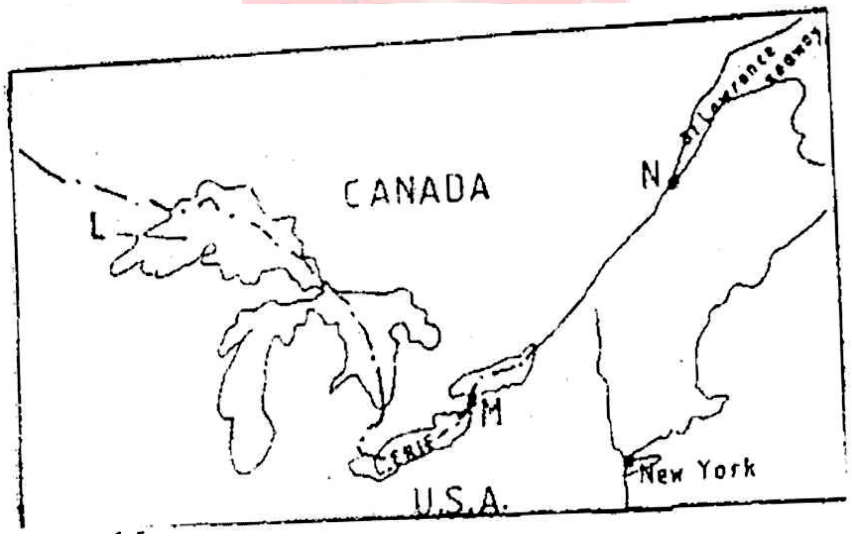
(e) Explain **four** factors which favour fishing in the temperate regions. **(8mks)**

(f) **(i)** Explain **three** methods of conserving fisheries. **(6mks)**

(ii) State **four** problems that face inland fisheries in East Africa. **(4mks)**

(g) Describe Trawling fishing method. **(5mks)**

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



(a) Name:

(i) The Lake marked L. **(1mk)**

(ii) The Waterfall marked M. **(1mk)**

(iii) The port marked N. **(1mk)**

(b) Explain **three** ways in which the great lakes and St. Lawrence Sea Way has contributed to the economy of Canada and the United States of America (U.S.A. **(6mk)**

(c) Explain **four** factors that hinder the development of railway links among African countries. **(8mks)**

(d) (i) State **two** recent developments that have taken place in Kenya to improve communication of information. **(2mks)**

(ii) Explain **three** problems facing telephone as a means of communication in Kenya. **(6mks)**

10. (a) What is Urbanization? **(2mks)**

(b) Explain **four** physical factors which favoured the siting of Mombasa town. **(8mks)**

(c) Compare the port of Mombasa and Rotterdam under the following sub-headings:

(i) Technology **(2mks)**

(ii) Linkage to the hinterland. **(2mks)**

(d) (i) Explain **four** problems associated with the growth of Nairobi city. **(8mks)**

(ii) Name **three** urban functional zones. **(3mks)**

11. (a) (i) Apart from water and air pollution, name **two** other types of pollution. **(2mks)**

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

(iii) Explain **three** effects of air pollution on the environment. **(6mks)**

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

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

(c) State **four** effects of wind as an environmental hazard in Kenya. **(4mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 3 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

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MARKS						

SECTION B

GRAND TOTAL

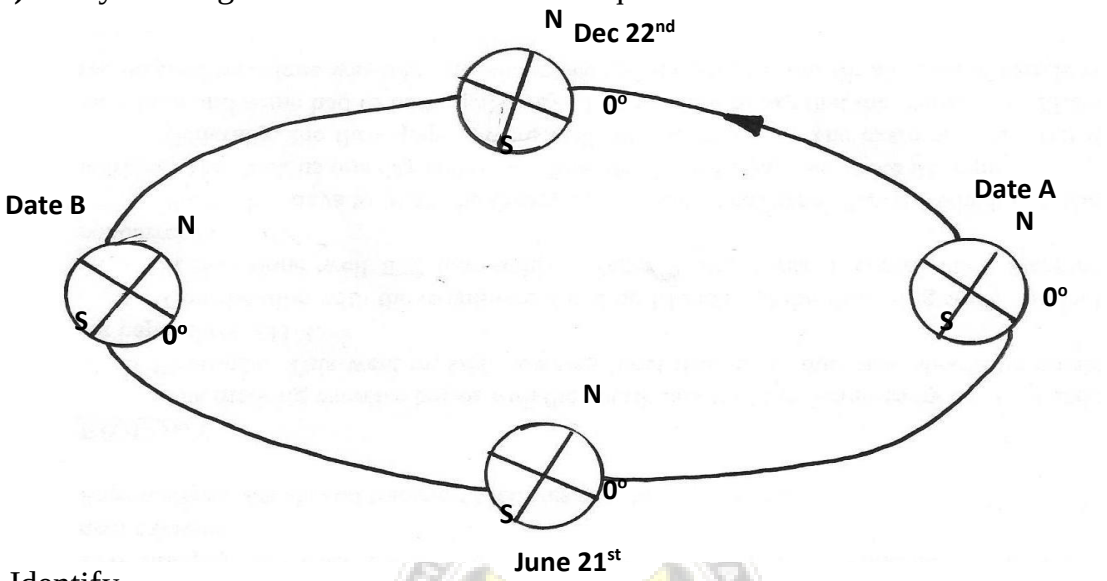
QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** Differentiate between rotation and revolution of the earth **(2mks**

(b) Study the diagram below and answer the questions that follow



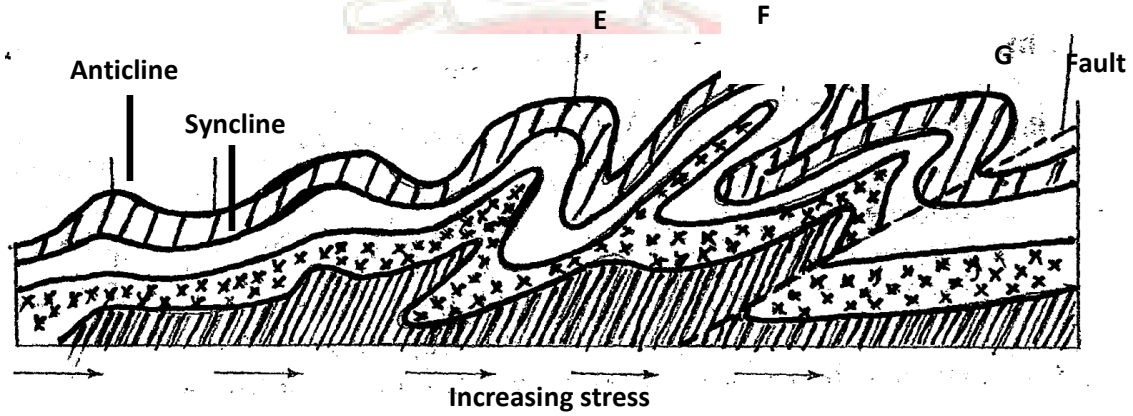
Identify

(i) The season marked **X** **(1mk)**

(ii) The date marked by **A** **(1mk)**

(c) State **one** characteristic of the summer solistice **(1mk**

2. The diagram below shows same types of folds. Use it to answer question (a)



(a) Name the type of folds marked **E**,**F** and **G** **(3mks)**

(b) State **two** causes of folding **(2mks)**

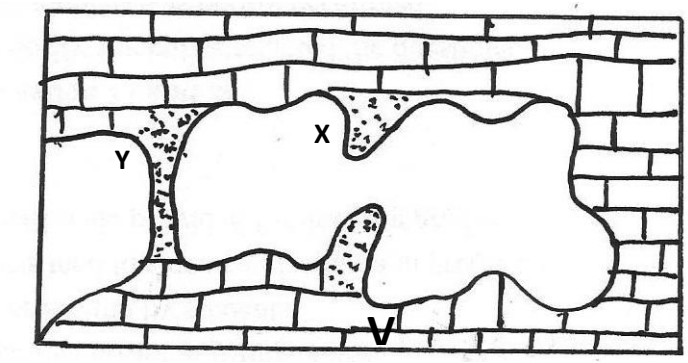
3. **(a)** State **three** ways in which wind transports its load **(3mks)**

(b) Identify **two** features produced by water in arid areas **(3mks)**

4. **(a)** Describe how Lake Victoria was formed **(3mks)**

(b) State the economic importance of lake Naivasha **(2mks)**

5. The diagram below represents underground features in a limestone area. Use it to answer question **(a)**



Cavern

(a) Name the features marked **X** and **Y** **(2mks)**

(b) Describe how the feature marked **V** is formed **(3mks)**

SECTION B

Answer question 6 and Any other two questions from this section

6.(a) (i) Identify two physical features found in grid square 0450 **(2mks)**

(ii) What is the position of Airport principal point +13A/97 5047 in grid square 9354 using latitudes and longitudes **(2mks)**

(iii) Measure the length of the all weather road loose surface E1706 from the junction at the market grid square 867576. Give your answer in metres **(2mks)**

(b)(i) Draw a cross section along Northing 51 between Eastings 82 and 88 . Use a scale 1cm rep 50ft. On the section mark and name

River Sagana

Loose surface road

Hill

River Rathithi **(7mks)**

(ii) Calculate the vertical exaggeration of the section **(2mks)**

(c) Citing evidence from the map, state four economic activities of the area covered by the map **(4mks)**

(d) Explain how relief has influenced the distribution of settlement in the area covered by the Map **(4mks)**

7. **(a)** State **three** characteristics of Inter-Tropical convergence zone **(3mks)**

(b) Describe the characteristics of Equitorial climate **(6mks)**

(c) (i) State **three** different ways by which air condences to form rainfall may be madetrise **(3mks)**

(ii) With the aid of a well –labelled diagram, describe how relief rainfall is formed **(6mks)**

(d) Form 4 students of Mwalimu Publishers secondary school is planning to conduct a field study in a weather station near their school.

(i) State **three** ways in which they will prepare for the study **(3mks)**

(ii) Describe how they would use a rain gauge to collect their data **(4mks)**

8. **(a)** What is the different between mass wasting and weathering **(2mks)**

(b) **(i)** Apart from soil creep, name two other processes of slow mass movement **(2mks)**

(ii) Explain **three** causes of soil creep **(6mks)**

(iii) Explain **three** physical conditions that influence landslides **(3mks)**

(c) Describe the following processes of mass wasting

(i) Rock fall **(2mks)**

(ii) Subsidence **(2mks)**

(iii) Mud flows **2mks**

(d) Explain the effect of weathering in the following

(i) Tourism **(2mks)**

(ii) Agriculture **(2mks)**

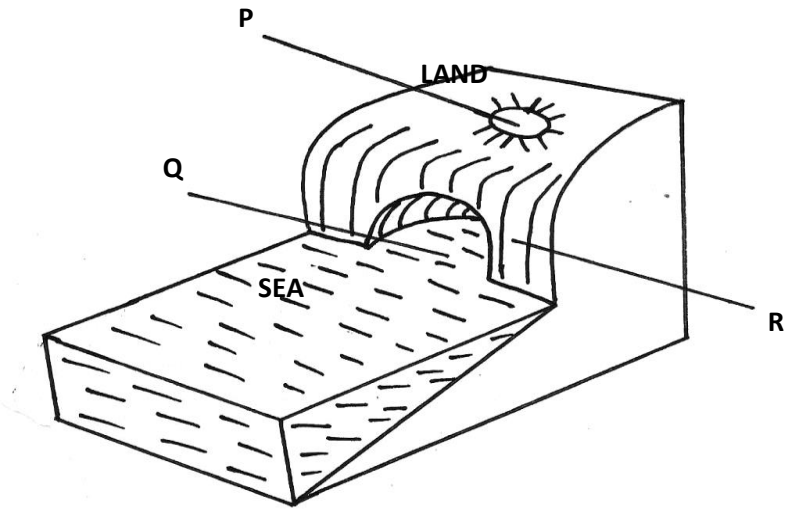
(iii) Pottery **(2mks)**

9. **(a) (i)** What are tides? **(2mks)**

(ii) Give **four** causes of ocean currents **(4mks)**

(b) State **four** factors that influence the development of coasts **(4mks)**

(c) The diagram below represents some coastal features. Use it to answer the questions below



(i) Name the features marked **Q** and **R** **(2mks)**

(ii) Describe how the feature marked **P** is formed **(5mks)**

(d) Explain four ways in which coastal landforms is significant to the economy of Kenya **(8mks)**

10. **(a) (i)** What is a glacier? **(2mks)**

(ii) Name **two** mountains in E. Africa where glaciers are found **(2mks)**

(b) (i) Describe plucking as a process in glacial erosion **(4mks)**

(ii) State **three** factors that influence glacial erosion **(3mks)**

(c) Describe how the following features are formed

(i) Pyramidal peak **(4mks)**

(ii) Hanging valley **(4mks)**

(d) Explain **three** negative effects of glaciations **(6mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 3 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** Name **two** oil producing counties in the middle east **(2mks)**

(b) State **three** ways in which mining has contributed to the economy of Kenya. **(3mks)**

2. **(a)** State **three** human requirements that are necessary for the growing of coffee in Kenya. **(3mks)**

(b) State **three** methods used to reclaim land in Kenya.

3. **(a)** Distinguish between land reclamation and land rehabilitation. **(2mks)**

(b) State **three** methods used to reclaim land in Kenya.

4 **(a)** Give **two** sources of population data. **(2mks)**

(b) State **three** factors that contributes to rapid population growth in Kenya. **(3mks)**

5 **(a)** State any **two** benefits of Kenya air links with the rest of the world. **(2mks)**

(b) State **three** disadvantage of using pipelines as means of transporting oil. **(3mks)**

SECTION B:(75MARKS)

Answer question 6 and any other two questions from this section

6. The table below shows Argentina Beef exports (metric tons) in the year zoo.

Destination	**Quantity in tonnes**
Chile	42,500
European Union	22,600
Brazil	20,300
Others	15,400

(a) **(i)** Draw a divide rectangle measuring 15cm by 3cm, draw a divided rectangle to represent the beef exports in the year 2000. **(8mks)**

(ii) Calculate the range of the above data. **(2mks)**

(iii) What is the percentage of the Beef export with the highest tonnage? **(2mks)**

(b) State **two** disadvantages of using a divided rectangle **(2mks)**

(c) Name **three**breeds of beef cattle reared in Kenya. **(3mks)**

(d) Explain **four** physical factors favouring beef farming in Argentina. **(8mks)**

7. **(a)** Apart from the North- West pacific ,name **three** other major fishing grounds of the world **(3mks)**

(b) Explain **four** factors fishing in the North – west pacific fishing grounds. **(3mks)**

(c) Describe the following methods of fishing

(i) Trawling **(4mks)**

(ii) Drifting **(4mks)**

(d) Give **three** differences between fishing in Kenya and Japan. **(6mks)**

8 **(a) (i)** Differentiate between Bilateral trade and Multilateral trade. **(4mks)**

(ii) Explain **three** factors that influence trade. **(6mks)**

(b) (i) name **three** major exports of Kenya. **(3mks)**

(ii) Name **three** major imports of Kenya. **(3mks)**

(c) (i) What are trading blocks? **(2mks)**

(ii) Apart from SADC, name **three** examples of trading blocks in Africa.

(d) Explain the role played by SADC in the economics of its member states. **(4mks)**

9. **(a) (i)** what is forestry? **(2mks)**

(ii) Give **two** ways of conserving forests. **(2mks)**

(b) Explain how the following factors influence the distribution and types of natural forests.

(i) Temperature **(2mks)**
(ii) Wind **(2mks)**
(iii) Altitude **(2mks)**
(iv) Soils **(2mks)**

(c) Describe characteristics of soft wood forest in Kenya. **(5mks)**

(d) Explain **three** significance of forests to Kenya. **(6mks)**

10 **(a)** Define the following terms;

(i) Wildlife **(1mk)**
(ii) Eco-tourism **(1mk)**

(b) Give **five** reasons why it's necessary to conserve wildlife. **(5mks)**

(c) (i) Name **two** coastal tourist attractions in Kenya. **(2mks)**

(ii) Explain **three** benefits that Kenya gets from tourism. **(6mks)**

(d) State **four** reasons for encouraging domestic tourism in Kenya. **(4mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 4 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** What is practical Geography. **(1mk)**

(b) Explain briefly the centrality of Geography. **(2mks)**

(c) Differentiate between a planet and a comet. **(2mks)**

2. **(a)** Using a well labeled diagram outline the formation of a rift valley by **tension theory**. **(5mks)**

3. **(a)** What is climate change? **(1mk)**

(b) State two natural courses of climate change. **(2mks)**

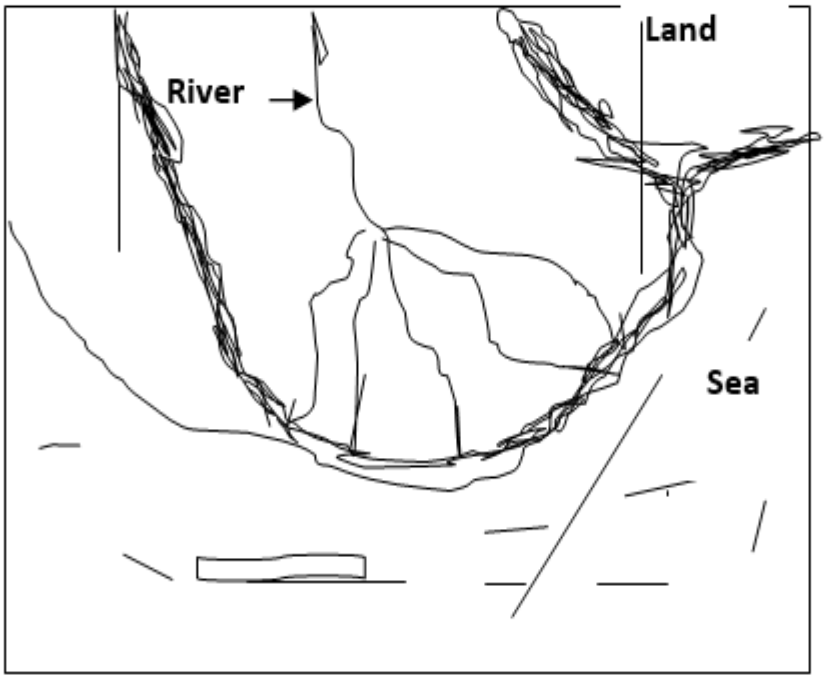
(c) Outline two characteristics of the **Inter Tropical Convergence Zone**. **(2mks)**

4. **(a)** Define a Catchment area. **(1mk).**

(b) List two stages of hydrological cycle. **(2mks).**

(c) Name two importance of water vapour in the atmosphere. **(2mks).**

5. **(a).** Study the diagram below and answer the questions that follow.



(a) Give the specific name of the feature above. **(1mk)**

(b) List two factors necessary for the above feature to be formed. **(2mks)**

(c). Differentiate between Effluent rivers and Influent rivers. **(2mks)**

SECTION B

Answers question six (6) and any other two (2) questions from this section.

6. Study the map of **Karatina, 1:50000** sheet (121/3) provided and answer the following questions.

(a). i) Identify one human activity found at grid square 9252 **(1mk)**

ii) Give six figure grid reference of Chieni settlements **(1mk).**

iii) Measure the distance of the dry weather road(T3851)from grid square 940519 to grid square 934554. Give your answer in Kilometers**.(2mks).**

(b). i) Using a scale of 1cm to represent 20metres, draw a cross section from grid reference 860500 to grid reference 890460 **4mks).**

ii) On the cross section mark and name the following. **(2mks)**

- River Hahwe. , Gatitu cattle dip.

iii) Calculate the vertical exaggeration (VE) of the cross section. **(2mks)**

(c) (i) Describe the drainage of the area covered by the map **(3mks)**

(ii) What is the magnetic bearing of **Kabiruini** cattle dip at grid square 8756 from Ndunduini School at grid squire 8659 in the year 2014. **(4mks)**

iii) Identify the type of settlement pattern between grid square 9050 and grid square 9148. **(1mk)**

(d) (i) Give the latitudinal extent of the area covered by the map**.** **(2mks)**

ii) Identify two types of scales on the map **(2mks)**

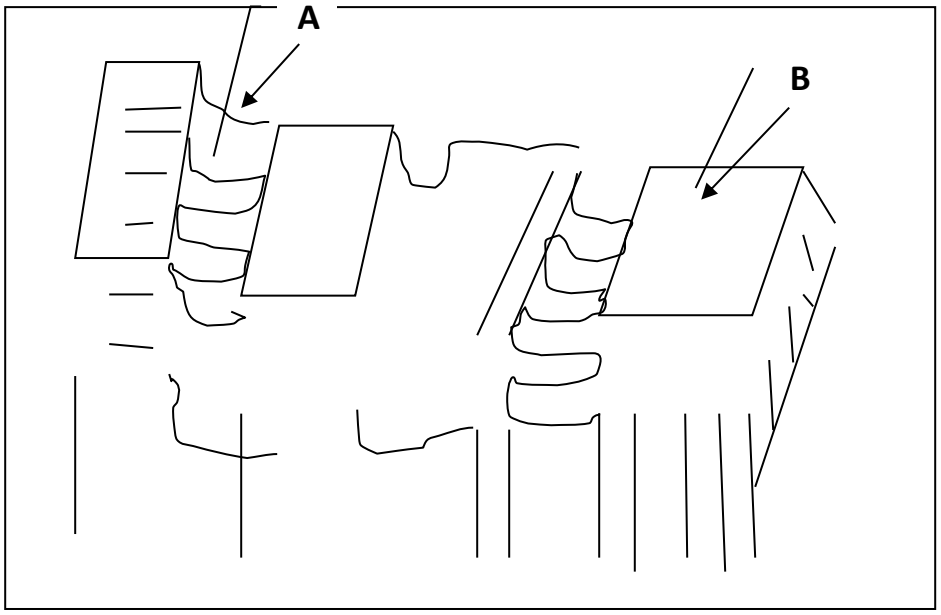
iii) What type of map is Karatina sheet? **(1mk)**

7. (a). i). Distinguish between **Underground water** and **Magmatic water.** **(3mks)**

ii). List three factors that influence the occurrence of underground water. **(3mks)**

iii). Identify two (2) sources of underground water. **(2mks)**

(b) Study the diagram below and answer the questions that follow.



i) Name the features labeled A and B. **(2mks)**

ii) List two factors that influence the formation of the above features. **(2mks)**

iii) Briefly describe how feature A is formed. **(3mks).**

(c). Students of Subukia Secondary Schools made a field study of underground features in Karst Scenery.

(i). Suggest a suitable title for their study. **(2mks)**

(ii). Apart from ***Karst bridge, Karst windows, Stalagmites*** and s***talactites***, name other Two features they may have come across. **(2mks)**

(iii). List two characteristics of the Karst scenery they identified. **(2mks)**

(d). Discuss two significance of resultant features in limestone areas to human activities.**(4mks)**

8. (a). i) Differentiate between an ocean and a sea. **2mks)**

ii) Identify two forms in which oceanic water moves horizontally. **(2mks)**

iii) List two types of tides. **(2mks)**

(b). i) Identify **One** factor that influence the development of coasts. **(1mk)**

ii) Draw a well labeled feature of a **cuspate foreland.** **(3mks)**

iii) Explain how the feature is formed. **(2mks)**

(c).(i) Briefly distinguish between **Submerged Coasts** and **Emerged Coasts.** **(4mks)**

(ii) Discus **Darwin's** theory on the origin of Barrier reefs. **(4mks)**

(d).(i) What is a wave? **(1mk)**

ii) Explain two types of waves responsible for sculpturing the coastal features**. (4mks)**

9. a) i) Define desertification. **(1mks)**

ii) State two types of hot deserts. **(2mks)**

iii) Explain three ways in which wind erodes in the desert. **(6mks)**

b) With well labeled diagrams describe how the following desert features are formed.

i) Rock pedestal **(5mks)**

ii) Mushroom block **(5mks)**

c) Explain three importance of desert features to man. **(6mks)**

10. **(a)** Name three man-made lakes in Kenya. **(3marks)**

(b) Explain why some Rift Valley lakes in Kenya are salty. **(6marks)**

(c) Describe how the following types of lakes are formed.

(i) Crater lakes. **(4marks)**

(ii) Ox-bow lakes. **(4marks)**

d) Explain four advantages of lakes to human activities. **(8marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 4 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

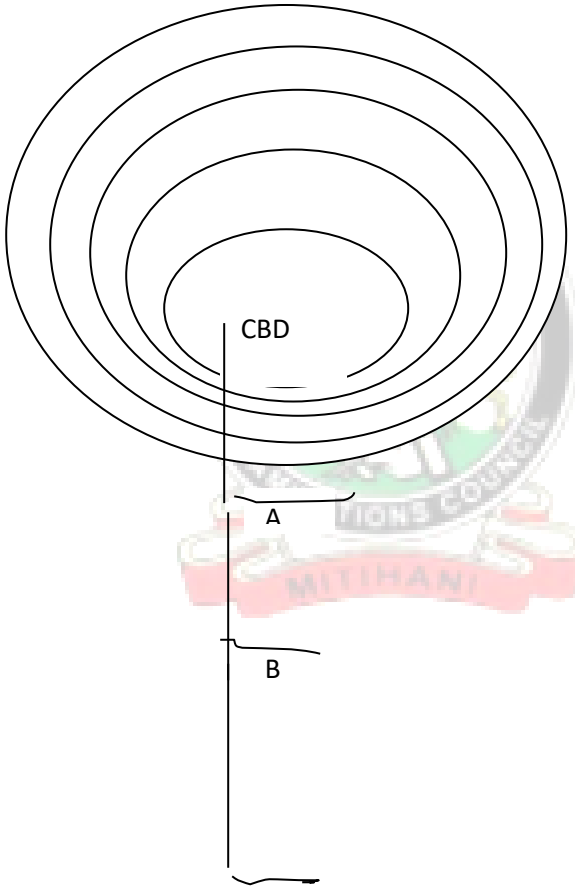
1. **(a)** Identify **one** port along the Great lakes and the St. Lawrence Seaway**.** **(1mk)**

(b) Explain **two** disadvantages of air transport. **(4mks)**

2 **a)** Define settlement. **(1mk)**

b) State two factors that influence dispersed patterns of settlements **(2mks)**

c) The diagram below represents the functional zones of an urban center. Use it to answer the questions that follow.



i) Name the zone marked B **(1mk)**

ii) Give one characteristic of the zone marked A **(1mk)**

3. **(a)** What is industrialization? **(1mk).**

(b). Identify two ways in which industries are classified. **(2mks)**

(c) Give two ways in which the Government of Kenya encourages cottage industries**. (2mks)**

4. (a) Define the term pollution. **(1mk).**

(b) Distinguish between Environmental management and Environmental conservation. **(2mks)**

(c) State two reasons why it is necessary to manage and conserve the environment. **(2mks)**

5. (a) Define Forestry. **(1mk).**

(b) List two characteristics of Natural forests. **(2mks)**

(c) Identify two factors that influence forest exploitation in Canada. **(2mks)**

SECTION B

Answers question six (6) and any other two questions from this section.

6. The table below shows the number of K.S.C.E Registered students in **Nakuru** Schools for five subjects from 2009 to 2013. Use the data to answer the questions that follow.

Subject/Year.	**2009**	**2010**	**2011**	**2012**	**2013**
Biology.	400	450	700	690	650
Chemistry.	600	901	800	700	680
Geography.	200	250	415	500	633
History.	315	400	620	580	645
Physics.	49	50	54	190	400

(a). Using a scale of 1cm to represent 200 students, construct a cumulative bar graph to represent the data above. **(10mks)**

(b) Calculate the percentage increase of Geography registration from 2012 to 2013. **(2mks)**

(c) Name two other statistical methods that can be used to represent the data above. **(2mks)**

(d) Give two suitabilities for using cumulative bar graph to represent data. **(2mks)**

(e) Discuss the trend of the students who registered for Biology from 2009 to 2013 **(3mks)**

(f) What was the difference in the percentage registration of the Chemistry students and History students in 2013. **(2mks)**

(g) Explain the following nature of statistical data

i). Discrete data. **(2mks)**

ii). Continuous data. **(2mks)**

7. a. **i)** Identify three categories of fishing. **(3mks)**

ii). Name three methods used to preserve fish. **(3mks)**

b) Describe the trawling method of fishing **(4mks)**

c) Explain how the following factors influencing fishing)

i) Ocean current **(2mks)**

ii) Nature of the coastline **(3mks)**

iii). Level of technology **(2mks)**

d). i) Identify two measures used to conserve fish in Kenya. **(2mks)**

ii). Discuss two problems facing fishing in Japan **(4mks)**

iii) Highlight two importances of fish. **(2mks)**

8. a i) Differentiate between land reclamation and land rehabilitation. **(2mks)**

ii). Explain four methods of land reclamation and rehabilitation, in Kenya. **(8mks)**

b i) Identify three factors that influenced the location of Perkerra irrigation scheme. **(3mks)**

ii) State five problems experienced in irrigation farming in Kenya. **(5mks)**

c i). Give three difference of land reclamation in Kenya and Netherland. **(3mks)**

ii). State four benefits of the Zuider zee project in Netherlands. **(4mks)**

9. a) Define the following terms.

i) Tourism. **(1mk**

ii) Wildlife. **(1mk)**

b) i) Explain wildlife human conflict. **(2mks)**

ii) Discus how poaching affects tourism and wildlife **(3mks)**

c i) Explain four significance of wildlife to Kenya **(8mk)**

ii) Name two game reserves in Kenya. **(2mks)**

d) Identify and explain four problems associated with tourism in Kenya. **(8mks)**

10. **(a)i)** Name **three** areas in Kenya where dairy farming is practiced **(3marks)**

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

(b) Explain **four** factors favoring beef farming in Argentina. **(8marks)**

(c) List **any six** problems facing beef farming in Kenya **6marks)**

(d) Give **four** benefits of beef farming in Argentina **(4marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 5 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

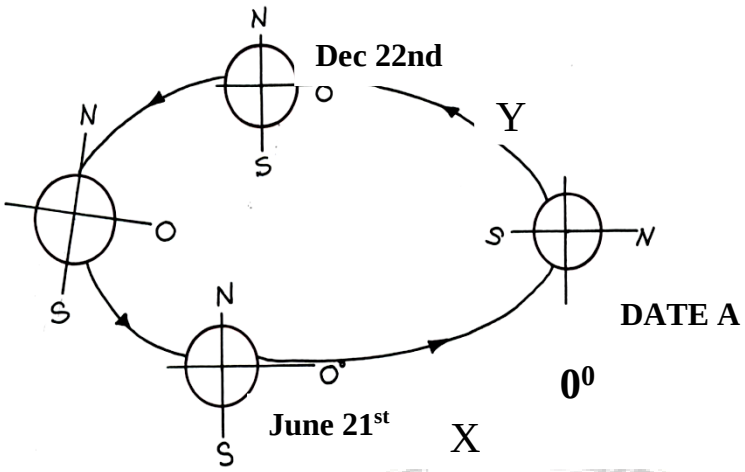
QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. a) Differentiate between rotation and revolution of the Earth. **(2mks)**

b) Study the diagram below and answer the questions that follow.



i. Identify the seasons marked X. **(1mk)**

ii. The date marked A. **(1mk)**

iii. Give one characteristic of summer solstice. **1mk)**

2. **a)** Describe how a maximum thermometer works. **(3mks)**

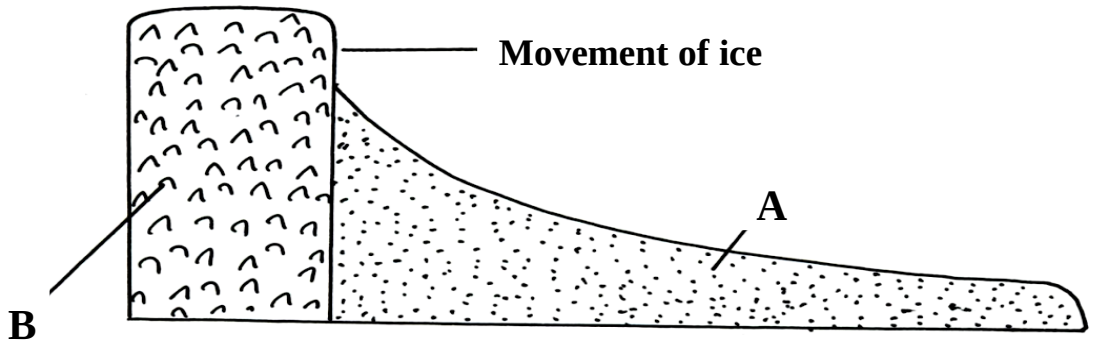
b) State reasons why Stevenson's screen is; **(2mks)**

i. Painted white

ii. Has louver

3. **a)** State three conditions which leads to glacial deposition in Lowlands. **(3mks)**

b) Study the diagram below of glacial erosion in Lowlands and answer the questions that follow.



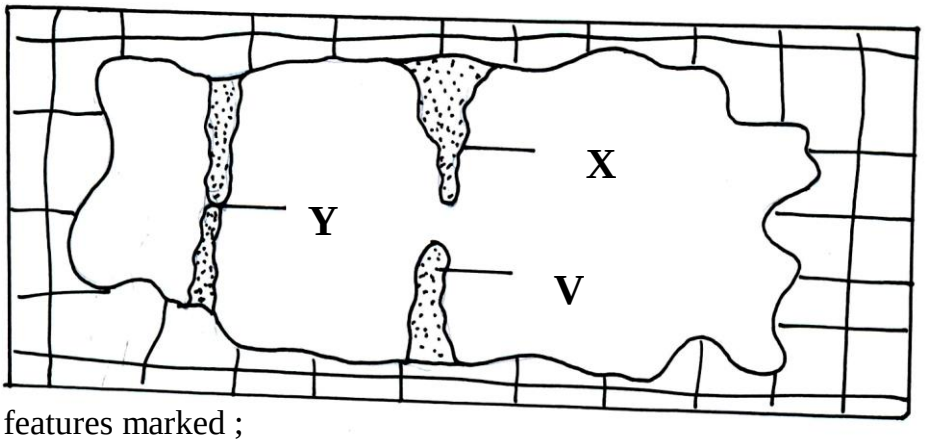
Name the parts marked ; **(2mks)**

A……..B……

a) Name two feature that result from river erosion. **(2mks)**

b) State three factors influencing the rate of erosion. **(3mks)**

4. The diagram below represents underground feature in a limestone area. Use it to answer question (a)



a) Name the features marked ;

X

Y

b) Describe how the feature marked V is formed. **(3mks)**

SECTION B

Answer question 6 and any other two questions

5. Study the map of Karatina 1:50,000(sheet 121/3) provided and answer the following Questions.

a) **i)** What was the magnetic declination of the map as at January 1992. **(1mk)**

ii) Give the Latitudinal and Longitudinal extent of the mapped area. **(2mks)**

b) **i)** A part from contours, name one other method used to show relief in the mapped area. **(1mk)**

ii) Calculate the area of Mt. Kenya forest reserve within Kirinyaga District shown in the map. Give your answer in square kilometers. **(2mks)**

c) **i)** A part from houses, Name two human made features in grid square 8755. **(2mks)**

ii) Assume that four people lived in each house in the grid square 8755. Calculate the population density. **(3mks)**

d) Describe the flow of River Sagana . **(3mks)**

e) **i)** Using evidence from the map, identify two farming activities taking place in the mapped area. **(2mks)**

ii) Explain three factors which have influenced any one of the farming activities identified in e (i) above. **(6mks)**

f) Briefly explain how the following factors have influenced the distribution of Settlement in the mapped area.

i. Forest Reserve **(2mks)**

ii. Rivers **(2mks)**

6. a) i) What is the difference between plutonic and volcanic rocks. **(2mks)**

ii) Give two examples of plutonic rocks. **(2mks)**

b i) Describe the following characteristics of minerals.

i. Lusture **(2mks)**

ii. Colour **(2mks)**

iii. Hardness **(2mks)**

c) Explain three ways in which sedimentary rocks are significant to the Kenyan Economy.**(6mks**

d) Form four students of Kwale school intend to carry out a field study on rocks within Seme in Kisumu County

i. Give the major rock type are likely to study. **(1mk)**

ii. Give three secondary sources of information they would use to prepare for the field study. **(3mks)**

iii. State why they would need the following

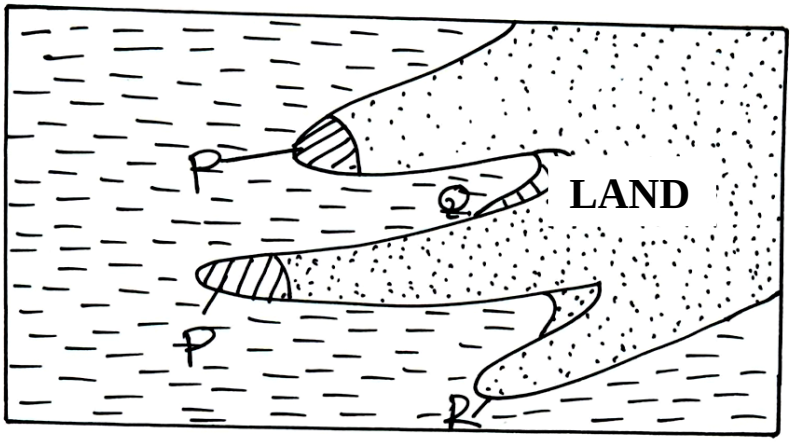
- Hammer **(1mk)**
- Route map **(1mk)**
- Working schedule **(1mk)**

7. a) i) What is a coast? **(2mks)**

ii) Distinguish between a coast line and shore line. **(2mks)**

b) The sketch diagram below represents a coastal Landscape.

Study it carefully and answer questions b i



i) Name the factors labeled PQR **(3mks)**

ii) Describe how blow holes and geos are formed

- Blow hole **(3mks)**
- Geos **(2mks)**

c) i) Name the features that result from the process of Long shore drift. **(3mks)**

ii) With the aid of a sketch diagram, explain the process of Long shore drift. **(3mks)**

d) Students of Mwatate School conductes a field study on coastal emergence Along the coast of Kenya.

i. State **two** objectives of their study **(2mks)**

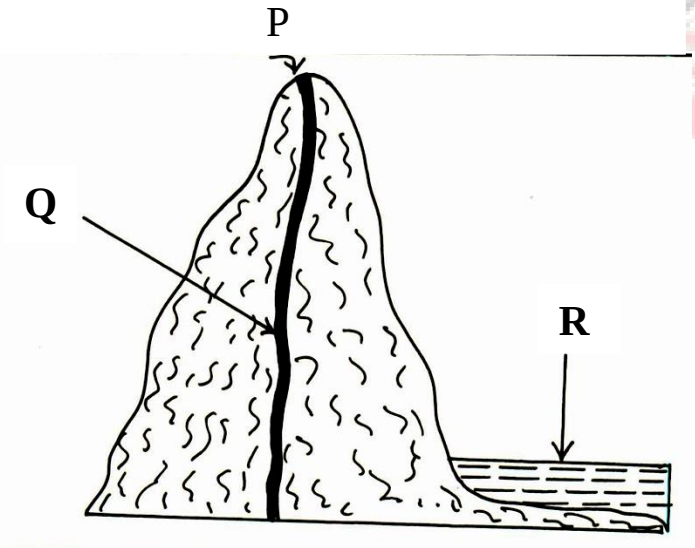
ii. List **three** major evidences they identified to prove that the coast of Kenya is partly as a result of coastal emergence they observed. **(3mks)**

iii. Give three methods they used to record data. **(3mks)**

8. a) i) Name two district types of glacier. **(2mks)**

ii) State four factors that influence the rate of glacial erosion. **(4mks)**

b) i)Use the diagram below to answer the following questions



NAME:P **(1mk)**

Q **(1mk)**

R **(1mk)**

b) **ii)** Explain the formation of the part marked Q. **(3mks)**

c) **i)** Explain four significance of a glaciated Landscape to human activities. **(8mks)**

d) Students in a school in Homabay County carried out a field study on Mt. Kenya.

i) State 2 objectives for their study. **(2mks)**

ii) List three methods they would use to record data during the field study. **(3mks)**

9. a) i) Define the term soil. **(2mks)**

ii) Give 2 factors that determine soil leaching. **(2mks)**

b) i) List two components of soil. **(2mks)**

ii) Name three processes involved in soil formation. **(3mks)**

c) i) Why is humus important in soil? State four significances. **(4mks)**

ii) Differentiate between soil profile and soil cateria. **(2mks)**

d) Your class members intend to conduct a field study on an area under the effect of soil erosion within their district.

i) Name two types of soil erosion they are likely to identify during the study. **(2mks)**

ii) State the use of the following tools and equipments during their study.

-A hoe **(2mks)**

-Polythene bag **(2mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 5 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **a)** Give three social factors that influence Agriculture **(3mks)**

b) Name two provinces in Canada where wheat is grown in large scale. **(2mks)**

2. a) Name two types of mineral fuel. **(2mks)**

b) Identify three ways in which minerals occur. **(3mks)**

3. a) State three reasons why setting up of small scale industries is encouraged in Kenya. **(3mks)**

b) Give three reasons that have led to Industrial growth in Japan. **(3mks)**

4. a) Define the term domestic tourism. **(2mks)**

b) Give three conditions that favour wildlife in Kenya. **(3mks**

5. a) Mention two sources of energy which is not fully developed in Kenya. **(2mks)**

b) Identify three ways in which energy is important in the production process in industries. **(3mks)**

SECTION B

6. Use the photograph below to answer question a(i), (ii), (iii)



a) **i)** Which type of photograph is shown above . **(1mk)**

ii) Identify 3 provinces where the photograph could have been taken. **(3mks)**

iii) Draw a rectangle measuring 14cm by 8cm to represent the area of the photograph. On it sketch and label the main features shown on the photograph. **(5mks)**

b) State four physical conditions necessary for the growing of sugarcane in the area Covered by the photograph. **(4mks)**

c) Describe the commercial production of sugarcane from preparation to harvesting.

d) Explain four problems facing sugarcane farmers in Kenya. **(8mks)**

7. a) Differentiate forestry and afforestation. **(4mks)**

b) i) Give three soft woods trees which grow in the forest reserves of Canada. **(3mks)**

ii) State four characteristics of planted forests in Kenya. **(4mks)**

c) Compare forestry in Kenya and Canada under the following sub – topics

✓ Growth **(2mks)**

✓ Harvesting **(2mks)**

✓ Marketing **(2mks)**

d) State four measures taken by the Kenyan government to conserve forest. **(4mks)**

e)The students of Mawego mixed secondary school are planning to carry out a field study on forestry in wire forest in Homabay County.

i) State two objectives for their study. **(2mks)**

ii) Formulate two hypothesis for their study. **(2mks)**

8. **a)** Differentiate fishing and fisheries. **(2mks)**

b) Explain three human factors which have favoured large scale fishing in the North East Atlantic fishing ground. **(6mks)**

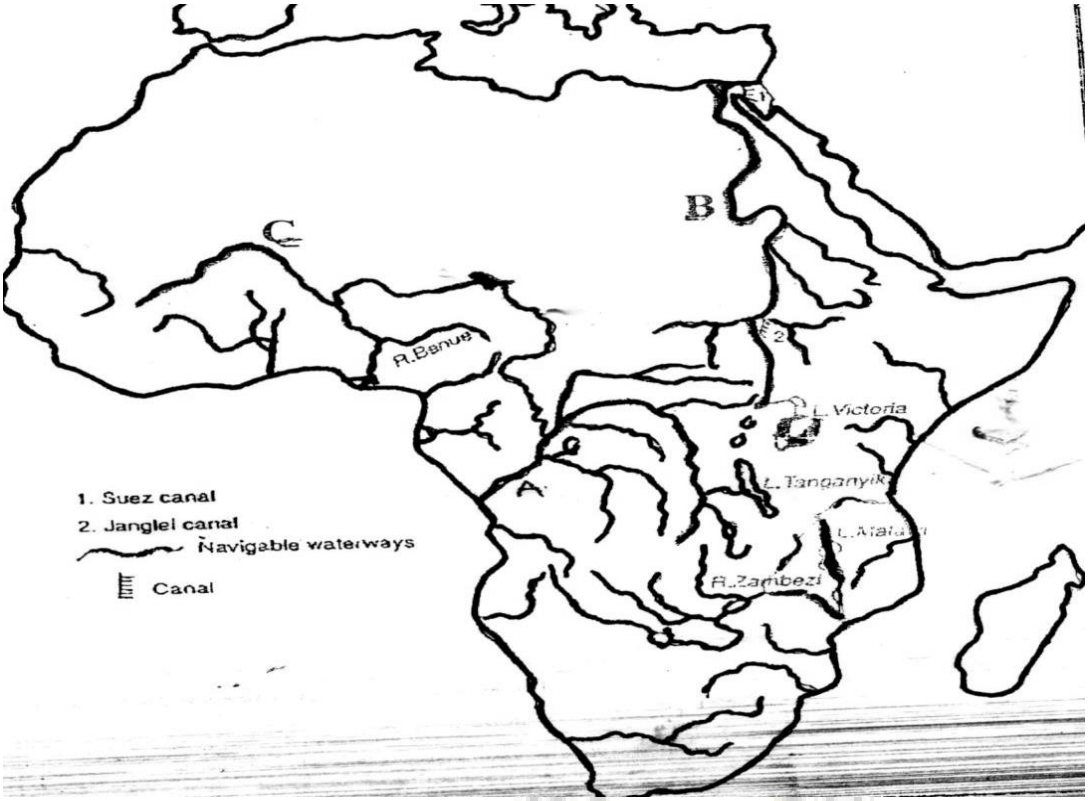
c) Describe long –lining as a method of commercial fishing. **(4mks)**

d) i) Differentiate marine fisheries from fresh water fisheries. **(2mks)**

ii) Explain four problems facing marine fishing in East Africa. **(8mks)**

e) give three reasons why the Kenya Government is keen on promoting the conservation of fish as a resource. **(3mks)**

9. a) Below is a map of Africa which shows the distribution of navigable rivers. Use it it to answer questions 9a and 9b



a) Name the rivers labeled A,B and C **(3mks)**

b) Explain four reasons why most Rivers in Africa are not fully navigable. **(8mks)**

c) Explain three benefits which African countries stand to realize from the increased construction of International Airports.

d) State two advantages of the transportation of oil by pipeline. **(2mks)**

e) **i)** Make three suggestions by which accidents caused by motor bike riders can be be reduced in Kenya. **(3mks)**

ii) State three reasons why containers are suitable in the transportation of cargo over long distances. **(3mks)**

10. **a) i)** Define the term Land Reclamation.

ii) State four benefits of delta plan projects. **(4mks)**

b) i) A part from irrigation name three other ways land can be reclaimed.

ii) State four advantages of irrigation over natural water suppliers. **(4mks)**

c) Identify five ways in which food security policy can be achieved in Kenya.

d) **i)** Give three methods used in the control of tsetse fly in Kenya.

ii) State four problems faced in the control of tsetse fly in Kenya. **(4mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 6 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

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FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

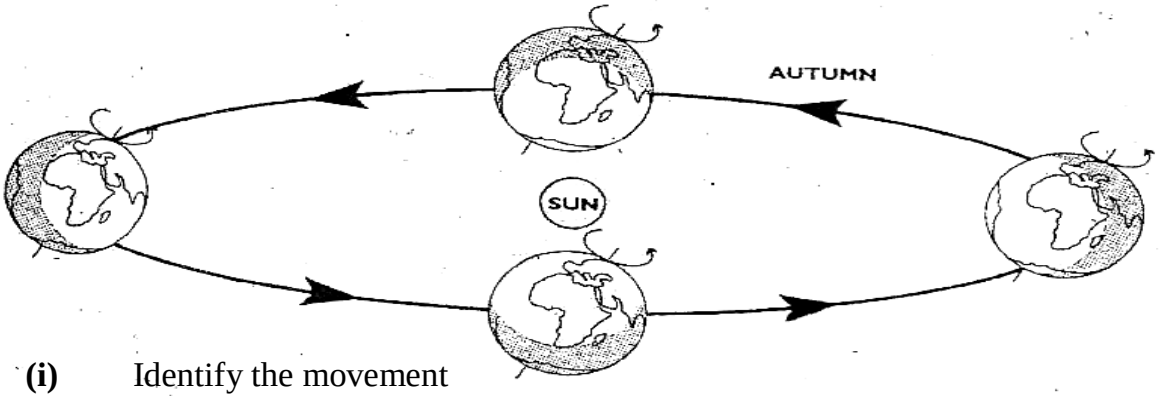
QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1 **(a)** Name and describe two types of environment **(2 marks)**

(b) The diagram below shows a movement of the earth



(i) Identify the movement **(1 mark)**

(ii) State two effects of the above movement **(2 marks)**

2. **(a)** State two effects of aridity and desertification **(2 marks)**

(b) Give three indicators of climate change. **(3 marks)**

3. **(a)** **(i)** Define the term 'rock' **(1 mark)**

(ii) Name two examples of hypabyssal rocks **(2 marks)**

(b) State two characteristics of minerals **(2 marks)**

4. **(a)** Name two denudation processes **(2 marks)**

(b) State three factors that influence movement of materials on slopes **(2 marks)**

5. **(a)** Give three components of soil **(3 marks)**

(b) State two factors influencing development of soil catena **(2 marks)**

SECTION B

Answer question 6 and any other two questions from this section

6. Study the map of **Karatina 1:50,000** (sheet 121/3) provided and answer the following questions.

(a) **(i)** What is the title of the map extract? **(1 mark)**

(ii) Give the name of the map extract bordering Karatina to the east **(1 mark)**

(b) **(i)** Name two human features in grid square 0346. **(2 marks)**

(ii) What is the bearing of the Air photo principal point in grid square 9452 (13A/13) from the trigonometric station in grid square 9552 (121T7) **(2 marks)**

(c) Calculate the area of the natural forest in Kirinyaga District **(2 marks)**

(d) **(i)** Using a scale of 1cm to represent 20 meters, draw an accurate cross section from grid square 850570 to grid square 910570. **(3 marks)**

(ii) On the cross section mark and name;

- Forest **(1 mark)**
- River **(1 mark)**

(iv) Determine indivisibility between the two end points **(1 mark)**

(e) Describe the drainage of the area in the map extract **(5 marks)**

(f) Students of a school at Ragati went for a field study in Karatina Township.

(i) Name two types of settlement patterns they may have identified in the tow **(2 marks**

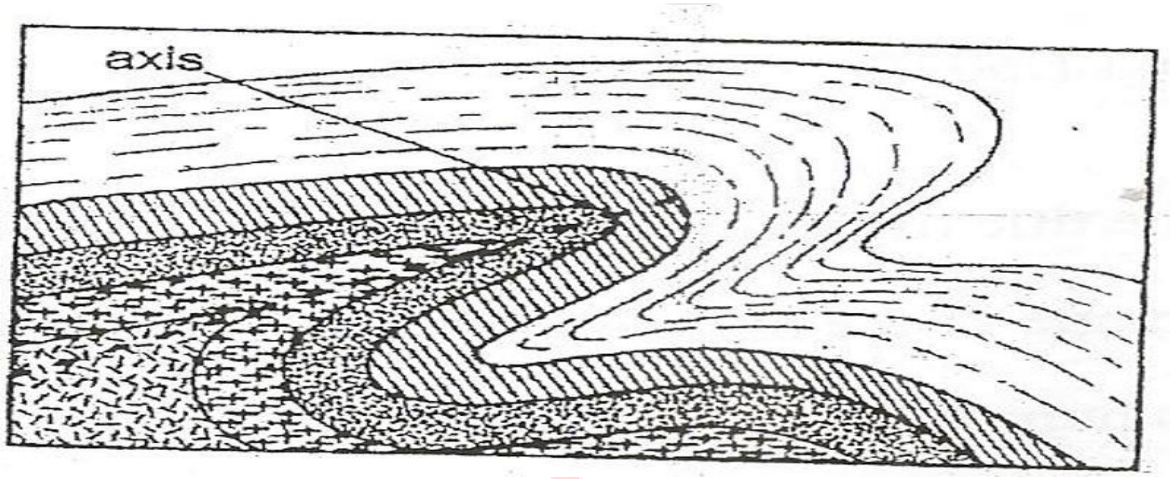
(ii) State four solutions to problems they may have encountered during the field study. **(4 marks)**

7. **(a)** **(i)** List two effects of horizontal earth movements **(2 marks)**

(ii) Give three causes of earth movements. **(3 marks)**

(b) Name and describe three types of plate tectonic boundaries. **(6 marks)**

(c) (i) The diagram below shows a type of fold.



Identify the type of fold. **(1 mark)**

(iii) Name two other types of folds **(2 marks)**

(d) With the aid of well labeled diagrams, explain the formation of fold mountains. **(7 marks)**

(e) State four significance of folding to the physical and human environments. **(4 marks)**

8. **(a)** **(i)** What is a lake? **(1mark)**

(ii) List two sources of lake water **(2 marks)**

(b) **(i)** Name two fresh water lakes in the Rift valley region of Kenya **(2marks)**

(ii) State four reasons why some lakes are saline **(4 marks)**

(c) Giving an example in each case, describe the formation of;

(i) Lake formed due to faulting **(4 marks)**

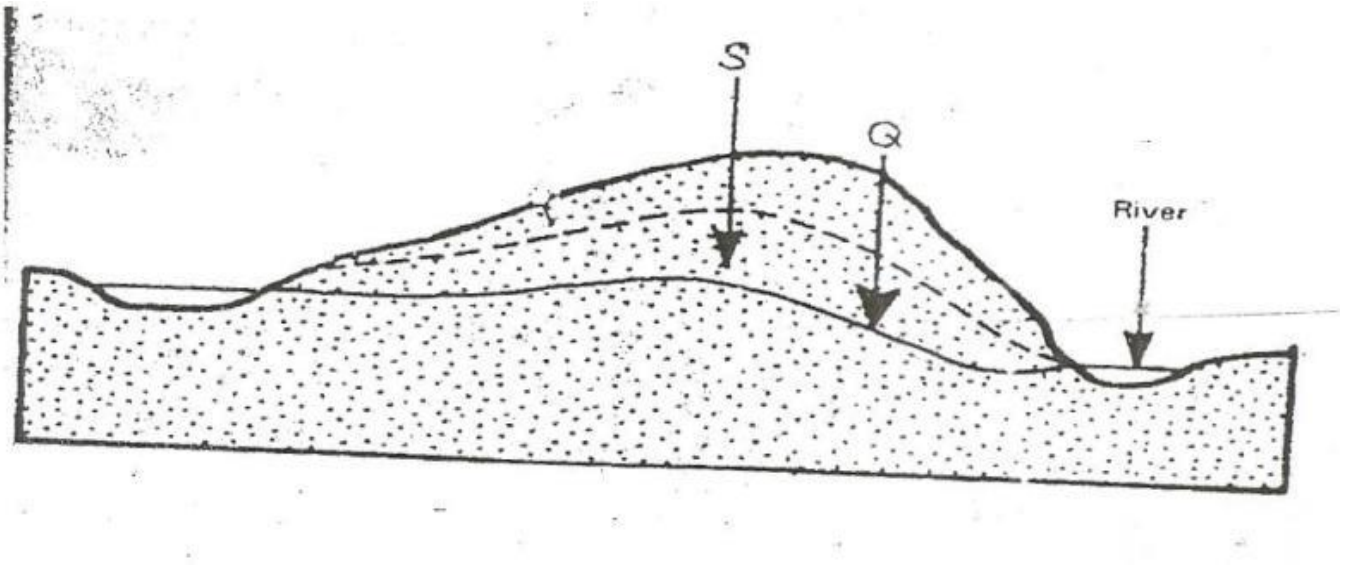
(ii) Crater lakes **(4 marks)**

(d) Explain four positive influence of lakes on human activities **(8 marks)**

9. **(a)** **(i)** Give three sources of underground water **(3 marks)**

(ii) State three factors that influence the existence of underground water. **(3 marks)**

(b) The diagram below shows zones of ground water.



(i) Identify the parts labeled Q and S. **(2 marks)**

(ii) State three ways through which springs form **(3 marks)**

(c) State four factors that influence the development of Karst Scenery **(4 marks)**

(d) **(i)** Name two surface features in limestone regions **(2 marks)**

(ii) Describe the formation of a stalagmite **(4 marks)**

(e) Explain two ways through which limestone landscapes influence human activities. **(4 marks)**

10. **(a)** **(i)** Name two types of river erosion **(2 marks)**

(ii) State three factors influencing the rate of river erosion **(3 marks)**

(b) Name and describe three was by which a river transports its load **(6 marks)**

(c) **(i)** Apart from deltas, give two river depositional features **(2 marks)**

(ii) Giving an example from Kenya, describe the formation of arcuate delta. **(3 marks)**

(d) Describe the formation of the following river patterns;

(i) Dendritic pattern **(3 marks)**

(ii) Centripetal pattern **(3 marks)**

(e) State three positive significance of rivers **(3 marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 6 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1 **(a)** **(i)** Define mining **(1 mark)**

(ii) Name two mining methods **(2 marks)**

(b) State two negative effects of mining on the environment **(2 marks)**

2. **(a)** Give two main inland tourist attractions in Kenya **(2 marks)**

(b) State three human factors favoring tourism in Switzerland **(3 marks)**

3. **(a)** Mention two primary sources of population data **(2 marks)**

(b) State three reasons why Kenya has a high rate of population growth **(3 marks)**

4. **(a)** **(i)** What is 'industrial inertia'? **(1 mark)**

(ii) State two causes of industrial inertia **(2 marks)**

5. **(a)** Distinguish between land reclamation and land rehabilitation **(2 marks)**

(b) State three significances of irrigation farming in Kenya **(3 marks)**

SECTION B

Answer question 6 and any other two questions from this section

6. The table below shows forest plantations by area in hectares in three countries in Kenya between 2001 and 2014. Use it to answer the questions that follow

County/years	2001	2002	2003	2004
Nakuru	150	140	120	100
Kericho	140	135	130	110
Nandi	120	110	105	90

a) **i)** Using a scale of 1cm to represent 10 hectares, draw a comparative lien graph to represent the above data. **(6 marks)**

ii) Comment on the trend of the graph **(1 mark)**

iii) Give one advantage of using the above method to represent the above data **(1 mark)**

iv) List two other methods of representing the above data **(2 marks**

b) State three factors that favour the growth of natural forests on the slopes of Mt. Kenya.

(6 marks)

c) Explain three measures that the government of Kenya is taking to conserve forests. **(6 marks)**

d) **i)** Name two provinces in Canada where forestry is practiced on large scale. **(2 marks)**

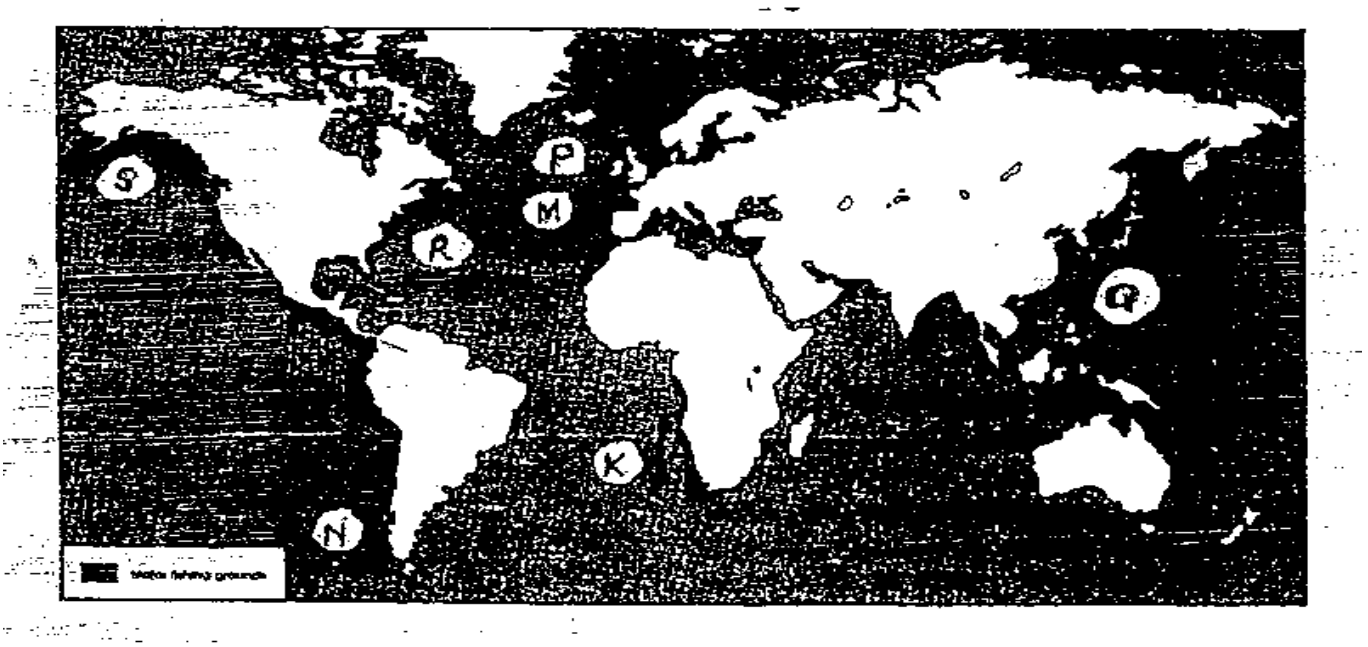
ii) State four factors that favour forest exploitation in Canada **(4 marks)**

(a) Define the following terms;

i) fishing **(1 mark)**

ii) fishery **(1 mark)**

(b) The map below shows major world fishing grounds.



i) Identify the fishing grounds marked P, Q, R and S. **(4 marks)**

ii) Ocean currents marked M and N. **(2 marks)**

c) i) Apart from L. Victoria, name two other inland fishing grounds in Kenya. **(2 marks)**

ii) Explain three factors favoring fishing on L. Victoria **(6 marks)**

d) State three measures the government of Kenya is undertaking to encourage fish-eating culture.

(4 marks)

e) Give three differences between fishing in Kenya and Japan **(6 marks)**

8. **(a)** **i)** Name two varieties of coffee grown in Western parts of Kenya. **(2 marks)**

ii) Apart from being as a beverage, state two other uses of coffee **(2 marks)**

(b) State three physical conditions that favour coffee growing in the Central Highlands of Kenya. **(3 marks)**

(c) Describe the stages involved in coffee production from picking to marketing. **(8 marks)**

(d) Explain three significance of coffee farming in Brazil **(6 marks)**

(e) Your class intends to conduct a field study on coffee farming

i) State two preparations your class will make before the field study. **(2 marks)**

ii) Give two problems facing coffee farming the class will find out **(2 marks)**

9. **(a)** **i)** Differentiate between transport and communication **(2 marks)**

ii) Apart from land transport, list two other modes of transport **(2 marks)**

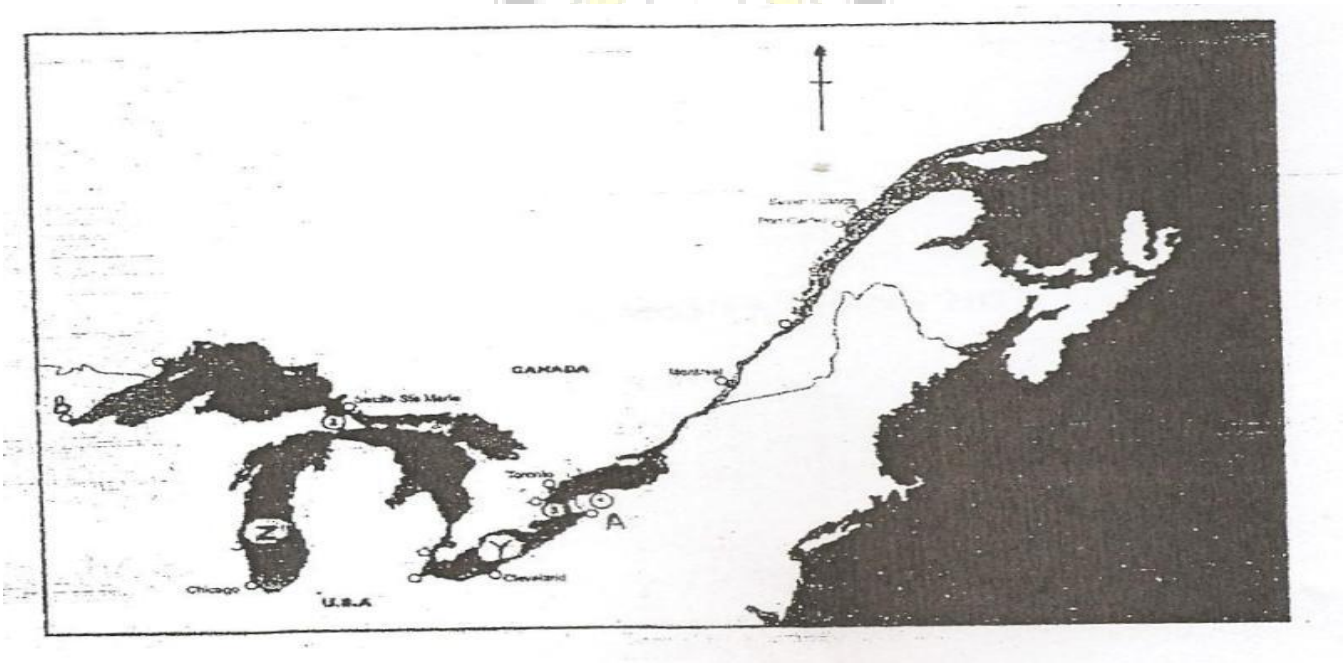
(b) **i)** State three advantages of using mobile phones in communication. **(3 marks)**

ii) Give three benefits of trans-African Highways **(3 marks)**

(c) **i)** Define containerization. **(1 mark)**

ii) State four advantages of containerization **(4 marks)**

Themap below show the great lakes and St. Lawrence seaway .



i) Name the towns marked A and B **(2 marks)**

ii) Identify the lakes marked Y and Z **(2 marks)**

(d) Explain three significance of St. Lawrence Seaway on the economies of the United States of America and Canada. **(6 marks)**

10. **(a)** **i)** Name two types of human settlements **(2 marks)**

ii) Give three functional zones of an urban centre **(3 marks)**

(b) Explain the influence of the following factors on human settlement;

i) relief **(2 marks)**

ii) vegetation **(2 marks)**

iii) drainage **(2 marks)**

(c) Explain three significance of urbanization to Kenya **(6 marks)**

(d) Compare the port of Mombasa to the port of Rotterdam **(8 marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 7 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

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FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

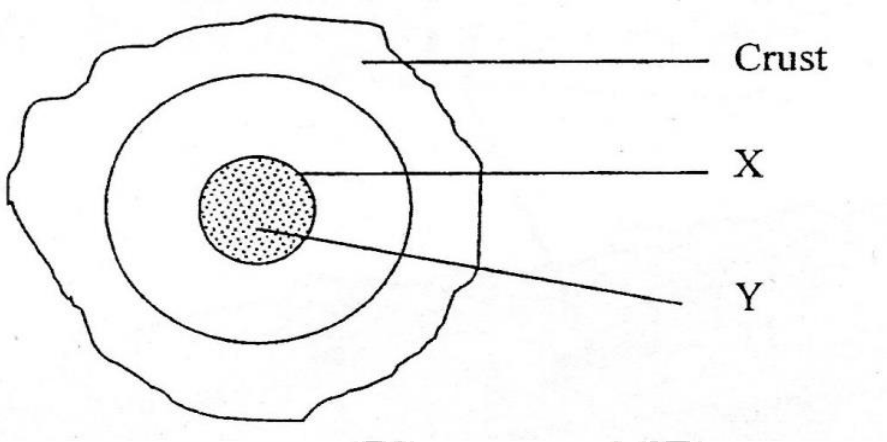
QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** Define the term orbit **(1mk)**

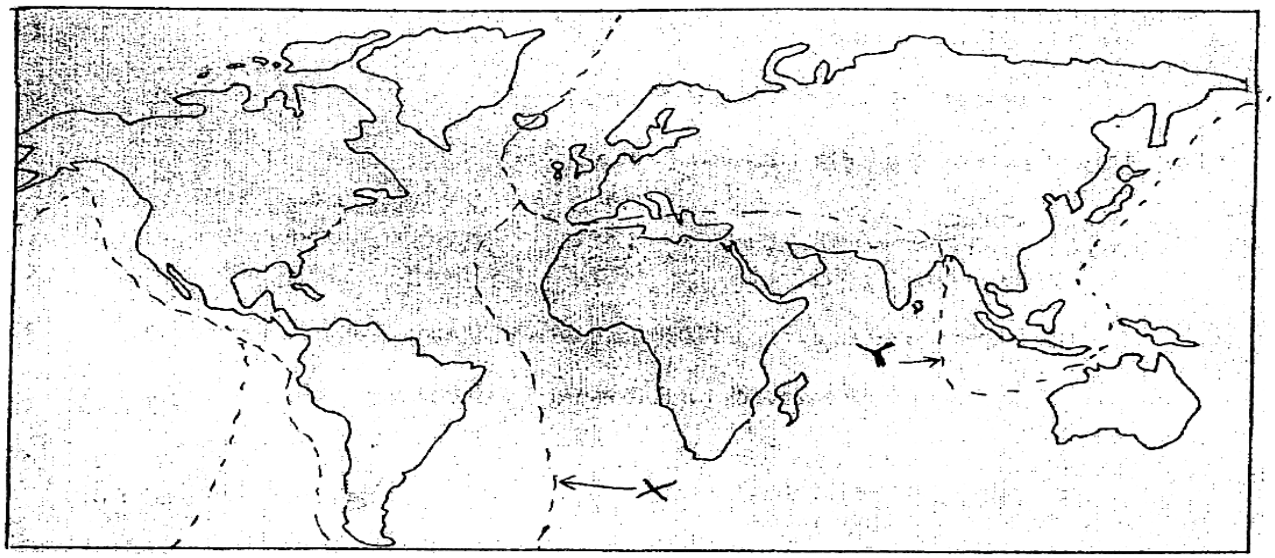
(b) The diagram below shows the internal structure of the earth. Use it to answer the questions that follow.



(i) Name the zone of discontinuity marked X. **(1mk)**

(ii) State three characteristics of the part marked Y. **(3mks)**

2. Use the world map below to answer question (a)



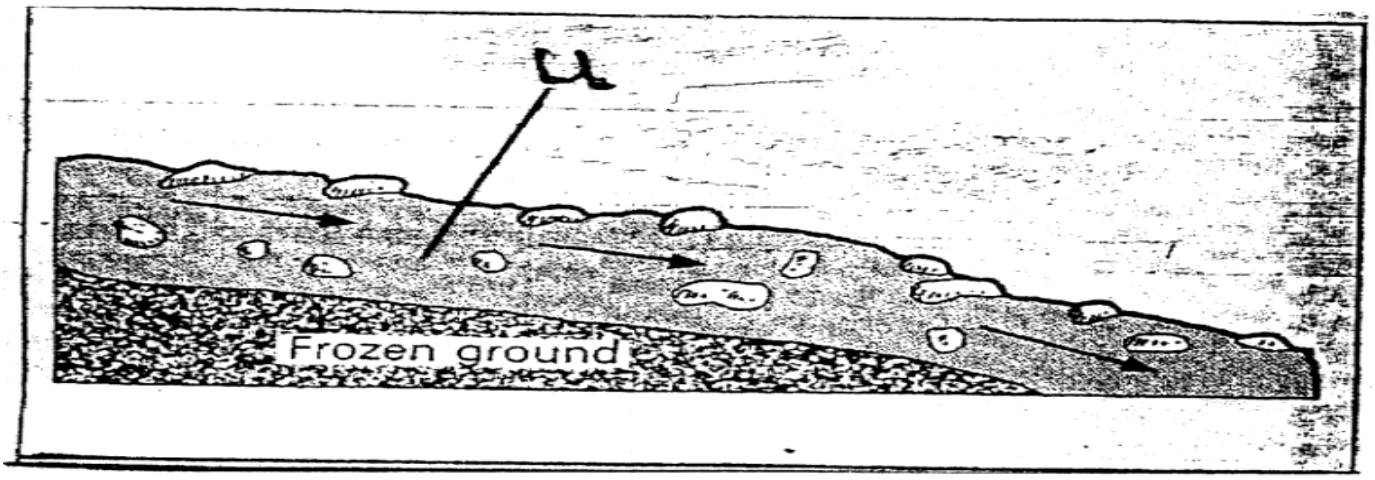
(a) Name the tectonic plate boundary marked X and Y. **(2mks)**

(b) What is the importance of studying the plate tectonics theory? **(3mks)**

3. **(a)** Apart from normal faults, name two other types of faults. **(2mks)**

(b) Describe three distinctive characteristics of the Rift Valley. **(3mks)**

4. The diagram below shows mass movement on a slope. Use it to answer question (a).



(i) Name the type of mass movement shown. **(1mk)**

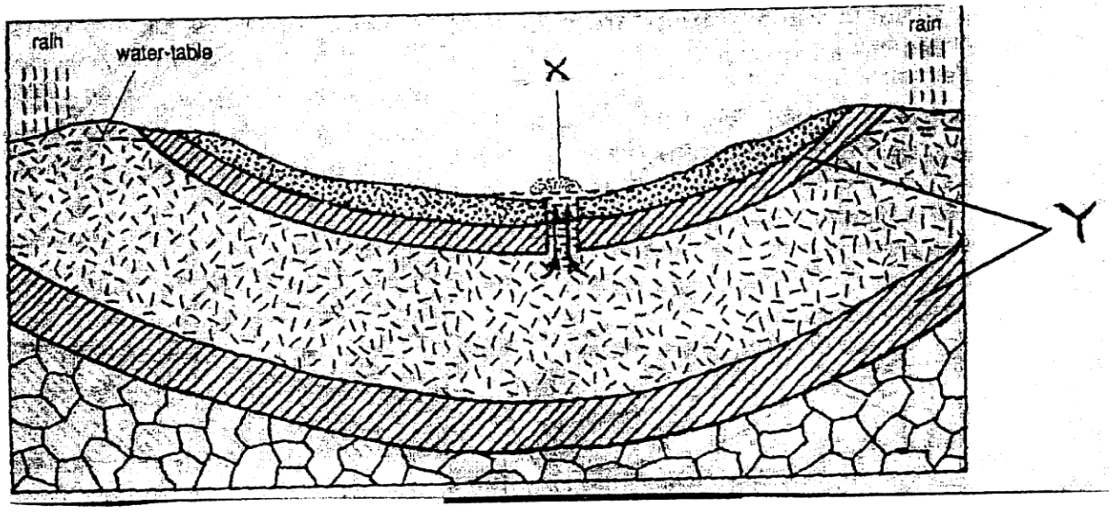
(ii) Name the part marked U. **(1mk)**

(b) State three negative effects of mass wasting in Kenya **(3mks)**

5. **(a)** What is underground water **(1mk)**

(b) Give two main sources of underground water **(2mks)**

(c) The diagram below shows an artesian basin. Name the parts marked X and Y. **(2mks)**



SECTION B

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

6. Study the map of Nkubu (1:50,000) sheet 122/1 provided and answer the following questions.

(a) **(i)** Give the six-figure reference of the trigonometrical station at Gatimbi. **(2mks)**

(ii) Give the latitudinal extend of the are covered by the map. **(2mks)**

(ii) What is the length in kilometers of the all-weather bound surface road junction at Getuaga to the road junction at Gatimbi? **(2mks)**

(iv) What is the approximate height of the peak of Kirui hill? **(2mks)**

(b) Explain three factors which have influenced the distribution of settlements in the area covered by the map. **(6mks)**

(c) Draw a rectangle 15cm by 10cm to represent the area covered by the map. **(1mk)**

On the rectangle, mark and name;

(i) Rurie swamp **(1mk)**

(ii) Forest **(1mk)**

(iii) River Muugi **(1mk)**

(d) **(i)** Citing evidence from the map, give two reasons why the area covered by the map is suitable for coffee growing. **(4mks)**

(ii) Apart from agriculture, name three other economic activities carried out in the area covered by the map. **(3mks)**

7. **(a)** **(i)** What is a rock? **(2mks)**

(ii) Explain the process of formation of mechanically formed sedimentary rocks. **(5mks)**

(iii) Give three examples of mechanically formed sedimentary rocks. **(3mks)**

(b) Explain three ways in which rocks are significant to the economy of Kenya. **(6mks)**

(c) Students from your school carried out a field study on the type of rocks.

(i) One of the rock samples they collected is coral. Give three uses of this type of rock **(3mks)**

(ii) Give three types of information for their study. **(3mks)**

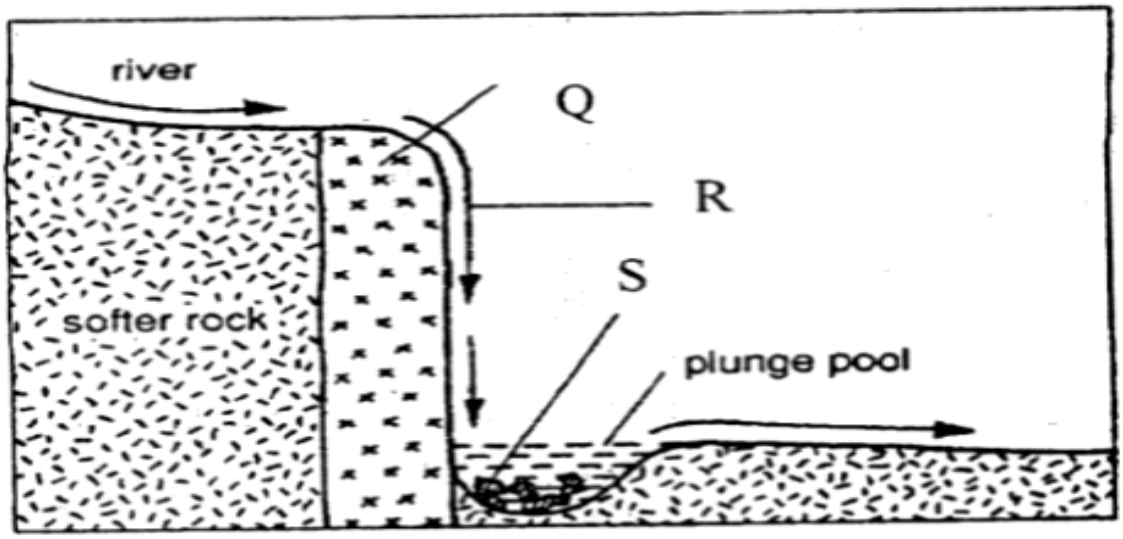
(iii) State three problems they are likely to have encountered during the field study. **(3mks)**

8.(a)(i) Distinguish between catchment area and a drainage basin. **(2mks)**

(ii) Explain three factors which influence the ability of a river to transport its load. **(6mks)**

(iii) The diagram below shows a feature formed by erosion along the river course.

Name the parts marked Q, R and S. **(3mks)**



(b) **(i)** What is a delta? **(1mk)**

(ii) Draw a diagram to show an arcuate delta. **(4mks)**

(iii) Name one river in Northern Kenya which forms a birds foot delta**. (1mk)**

(c) Students from your class carried out a field study on a nearby river to study various features along its course.

(i) Give four reasons why the class was divided into groups. **(4mks)**

(ii) Give four follow-up activities you were involved in after the field study. **(4mks)**

9. **(a)** **(i)** What is glaciations? **(2mks)**

(ii) Explain three factors that influence the rate of glacial erosion**. (6mks)**

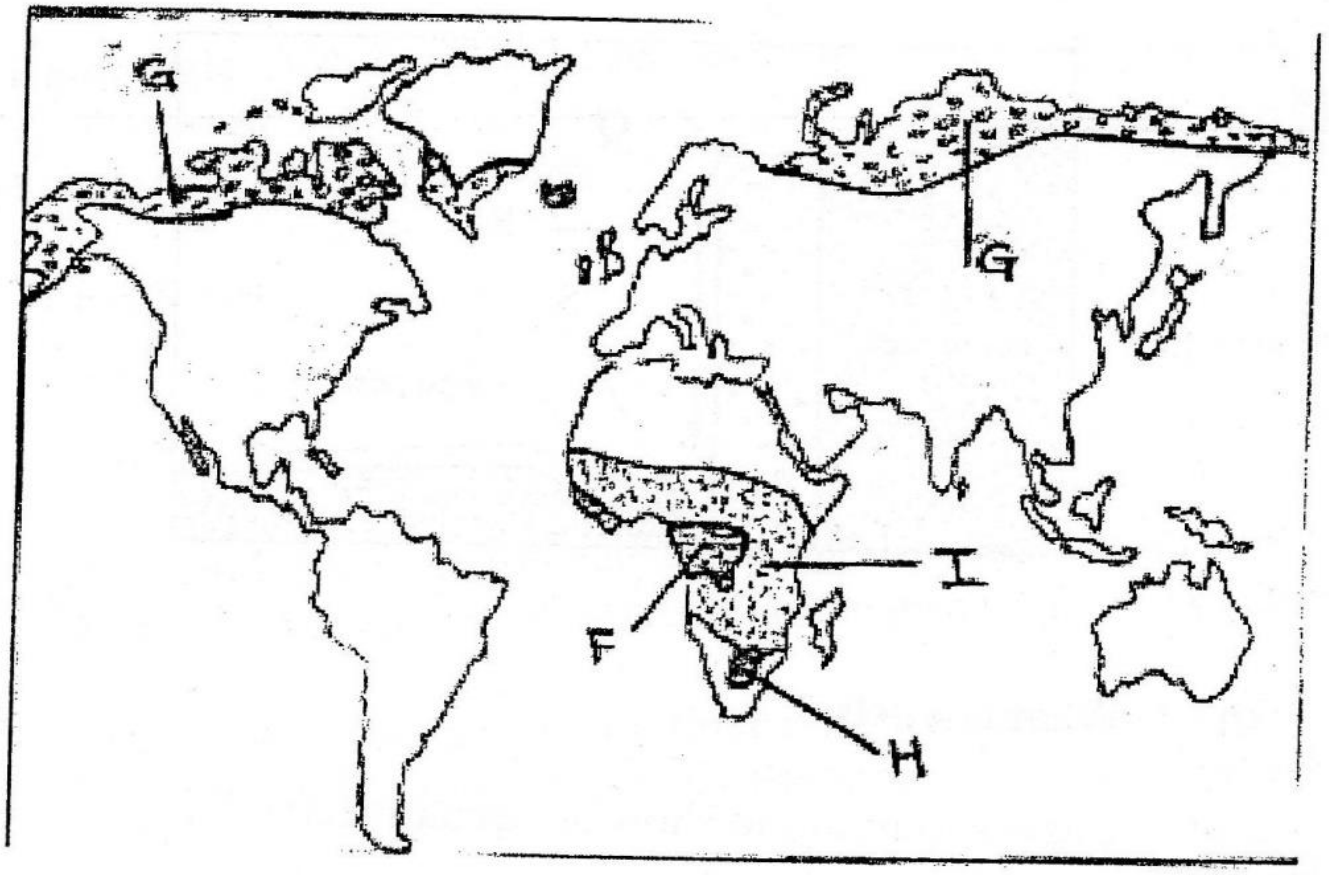
(b) **(i)** Apart from cirques, name two other erosional features found in glaciated highlands. **(2mks)**

(ii) With the aid of a well labeled diagram, describe how a cirque is formed.**(7mks)**

(c) Explain four positive effects of glaciation in lowland areas. **(8mks)**

10. **(a)** What is natural vegetation? **(2mks)**

(b) The map below shows some vegetation regions of the world. Use it to answer the questions that follow.



Name:

(i) The type of vegetation found in the are marked F and G. **(2mks)**

(ii) The grassland found in the area marked H **(1mk)**

(iii) Describe the characteristics of the natural vegetation found in the shaded are marked **I** **(4mks)**

(c) **(i)** Draw a well labeled diagram to show soil catena **(4mks)**

(ii) Explain how the following farming practices cause soil erosion

Monoculture **(2mks)**

Overstocking **(2mks)**

(d) **(i)** State two factors that contribute to soil leaching. **(2mks)**

(ii) Explain three ways in which vegetation prevents soil erosion**.** **(6mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 7 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

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FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** Define a forest **(1mk)**

(b) State four characteristics of planted forest **(4mks)**

2. State five characteristics of plantation farming **(5mks)**

3. **(a)** State three problems that are associated with low tourist season on Kenya. **(3mks)**

(b) Name two main inland tourist attractions found in Kenya. **(2mks)**

4. **(a)** What is a manufacturing industry? **(2mks)**

(b) State three main characteristics of cottage industries in Kenya. **(3mks)**

5. **(a)** Apart from pollution, name two other environmental hazards experienced in Kenya. **(2mks)**

(b) State three ways in which industrial pollution is a health hazard. **(3mks)**

SECTION B

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

6. The table below shows the number of tourists who visited Kenya between 1996 and 1999. Use it to answer questions that follow.

Country/Year	1996	1997	1998	1999
Britain	100,000	80,000	60,000	40,000
N. America	80,000	50,000	45,000	48,000
Germany	70,000	40,000	35,000	30,000
S.E. Asia	40,000	30,000	25,000	25,000

(a) Using 1cm to represent 10,000 people, draw a comparative bar graph to represent the data above. **(8mks)**

(b) State four possible reasons for the general decline in the number of tourists since 1997. **(4mks)**

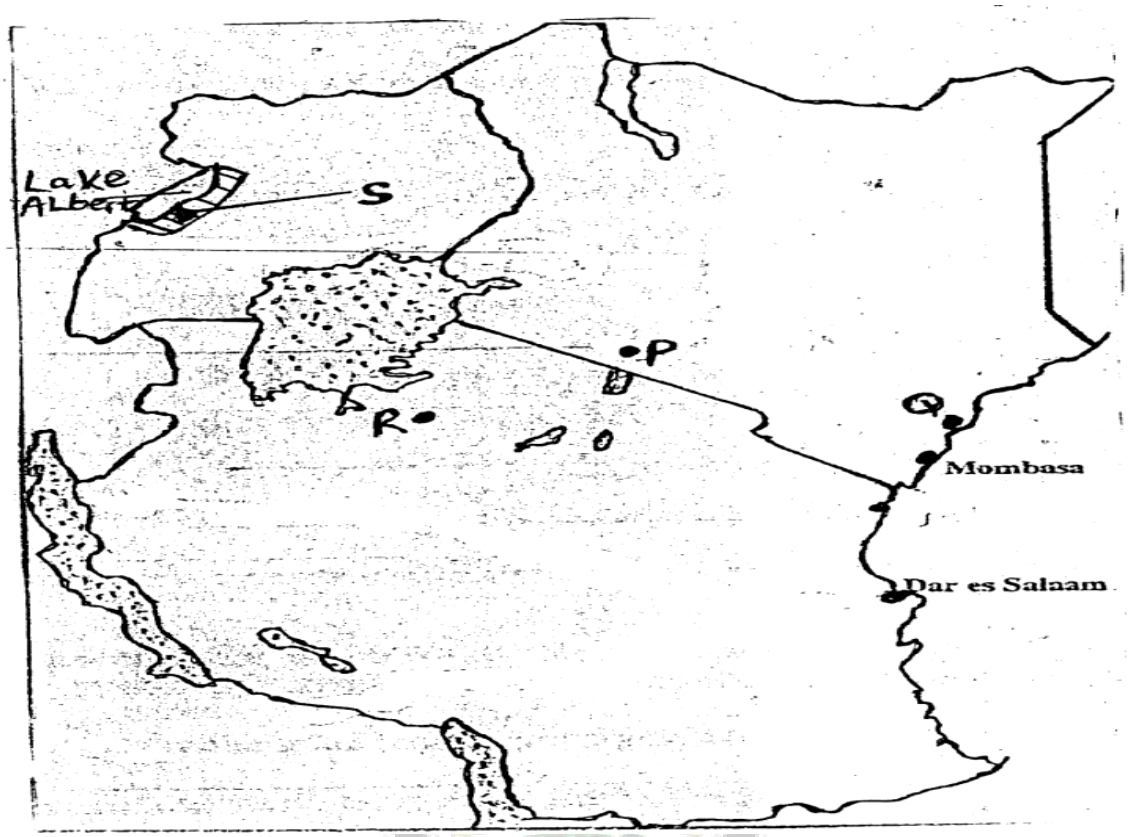
(c) **(i)** Define eco-tourism **(1mk)**

(ii) State two objectives of eco-tourism **(2mks)**

(d) **(i)** Explain three factors that hinder tourism in Kenya **(6mks)**

(ii) Identify four measures the Kenyan government has undertaken to promote tourism in the Country. **(4mks)**

7. Use the map of East Africa to answer questions **(a) (i) and (ii).**

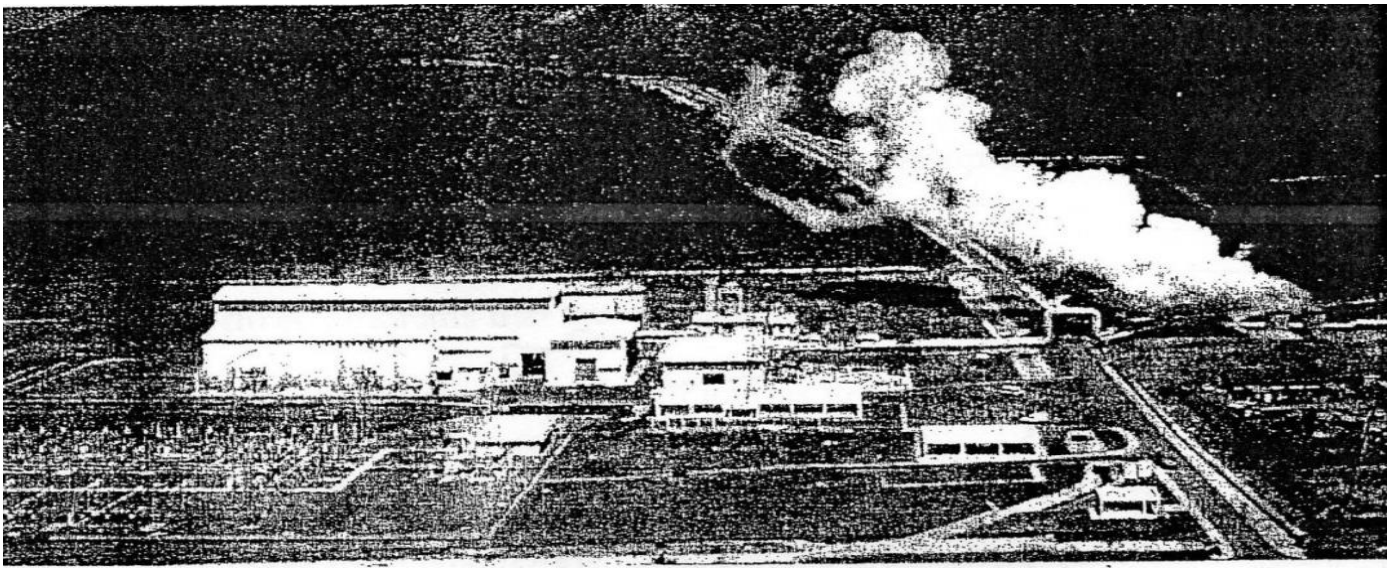


(a) **(i)** Name the minerals at the following marked areas P, Q, R, S **(4mks)**

(ii) Give three types of minerals. **(3mks)**

(b) Explain how placer method of mining is carried out **(5mks)**

(c) Study the photograph provided and answer the questions that follow:

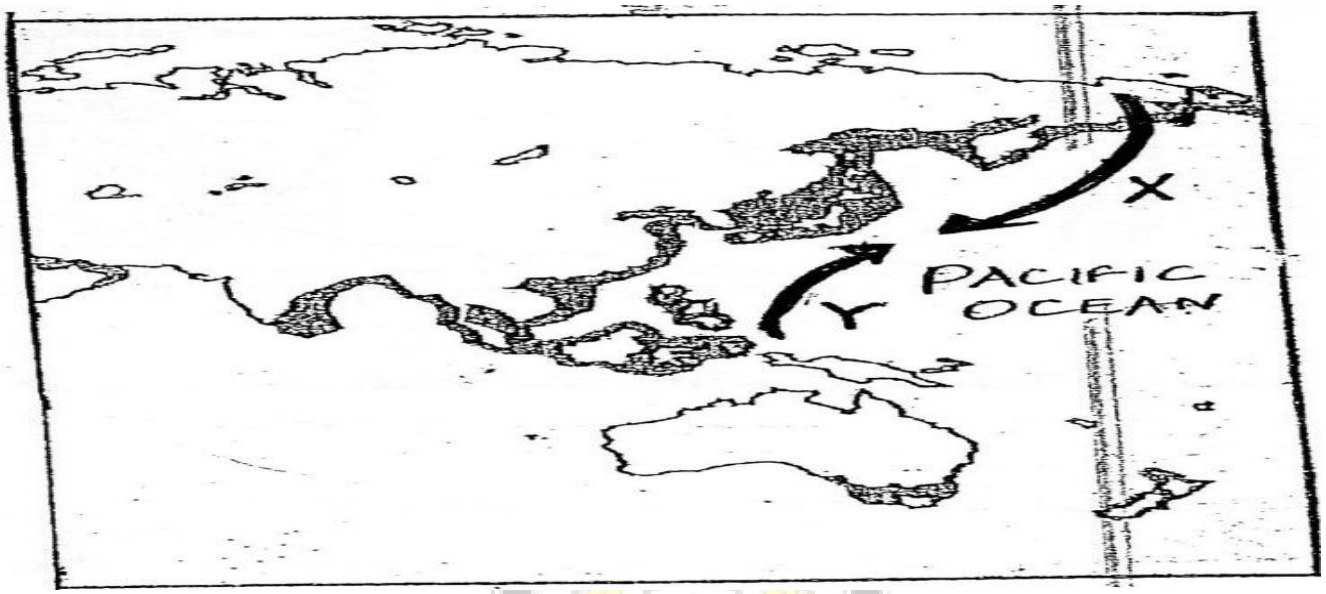


(i) Name the form of energy generated in the photograph. **(2mks)**

(ii) Name three main areas in Kenya where the above source of energy if found. **(3mks)**

(iii) Explain four problems which face generation of geothermal power in Kenya. **(8mks)**

8. Use the map of North-West Pacific below to answer question (a).

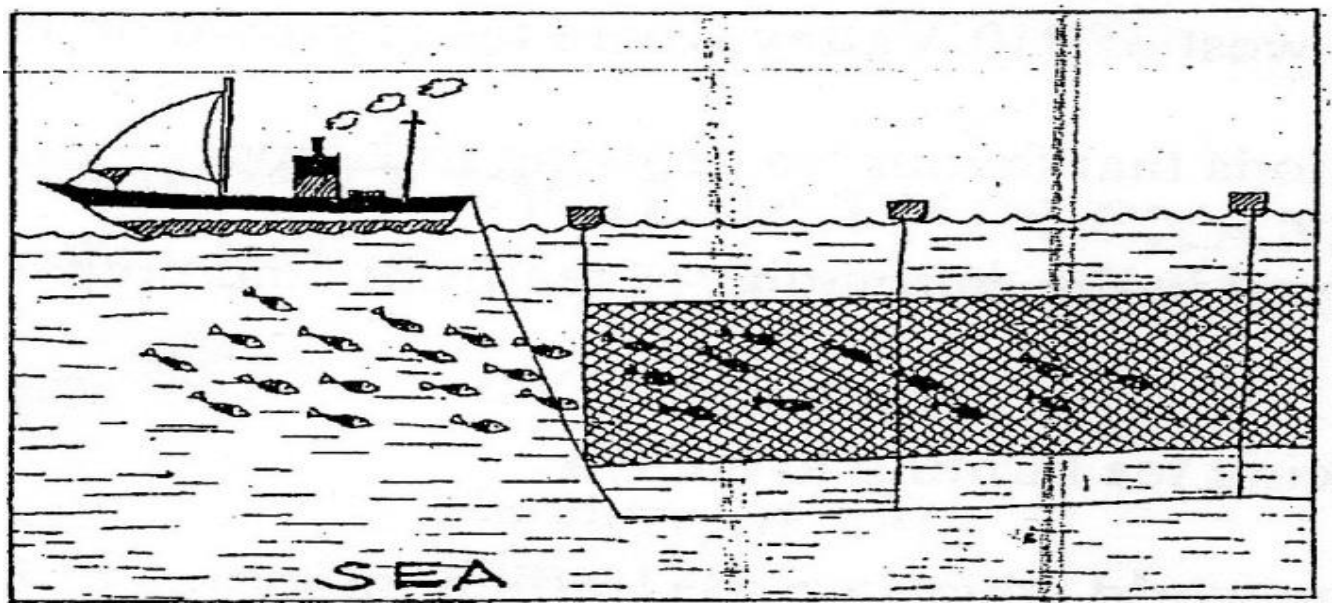


(a) **(i)** Name the ocean current marked X and Y **(2mks)**

(ii) Name two main countries involved in fishing in the North West Pacific fishing ground. **(2mks)**

(iii) Explain three human factors which favour fishing in the North West Pacific fishing ground **(6mks)**

(b) The diagram below shows a fishing method.



(i) Describe how the method is used in catching fish. **(5mks)**

(c) **(i)** Explain three measures being taken by the government of Kenya to conserve marine fisheries. **(6mks)**

(ii) State four problems experienced in the marketing of fish in Kenya. **(4mks)**

9. **(a)** **(i)**Apart from petroleum name two other non-renewable sources of energy. **(2mks)**

(ii) Give three reasons why Kenya imports her oil in crude form. **(3mks)**

(b) Explain four ways in which Kenya has benefited from the development of seven forks hydro-electric power schemes. **(8mks)**

(c) **(i)** Name two developing countries that have developed nuclear energy in the world. **(2mks)**

(ii) State four disadvantages of nuclear energy **(4mks)**

(d) Give three reasons hindering the expansion of rural electrification programme in Kenya. **(6mks)**

10. **(a)(i)**Name two districts to the West of Rift Valley where tea is grown on large scale.**(2mks)**

(ii) State five physical conditions that favour tea growing in Kenya. **(5mks)**

(b) Describe the stages involved in cultivation of tea from land preparation to harvesting**.** **(6mks)**

(c) **(i)** Explain five problems facing tea farming in Kenya **(10mks)**

(ii) Name two countries in the world which are the leading importers of Kenyan tea. **(2mks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 8 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign*** *and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(i)** Differentiate between weather and climate. **(2 marks)**

(ii) Outline any three factors that are` considered in locating a weather station. **(3 marks)**

(iii) Give any three importance of weather focusting. **(3 marks)**

2. **(i)** Define the term equinox **(2 marks)**

(ii) What is the time at Hola on 40°E when the time at Tema on O° longitude is 12.00 Noon?

(2 marks

3. **(i)** Name two types of earth movements that take place on the earth crust. **(2 marks)**

(ii) Describe the origins of the continents according to the theory of continental drift. **(3 marks)**

4. **(i)** Name two types of clouds that give rise to rainfall in tropical regions. **(2 marks)**

(ii) Define the term hydrological cycle. **(2 marks)**

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

Month	J	F	M	A	M	J	J	A	S	O	N	D
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 two reasons why the top of Mt. Kenya has got no vegetation. **(2 marks)**

SECTION B

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

Study the map of Karatina 1:50,000 (sheet 121/3) provided and answer the following questions.

6. **(i)** What is the longitudinal extent of the map: **(2 marks)**

(ii) Name the two districts from where the map has been taken from. **(2 marks)**

(iii) What is the approximate height of the hill at grid reference 047507? **(1 mark)**

B. (i) Give three types of natural vegetation found to the north of northings 60. **(3 marks)**

(ii) What is the approximate area of Karatina town (municipality**)** **(2 marks)**

(iii) Measure the approximate distance of the district boundary not covered by the forest. **(2 marks)**

(iv) Citing evidence from the map, identify two main cash crops grown in the area covered by the map. **(2 marks)**

C. (i) Citing evidence from the map, explain three factors that favours tea growing in the area covered by the map. **(6 marks)**

(ii) Describe the drainage of the area covered by the map. **(5 marks)**

7. a) (i) Define the term faulting? **2 marks)**

(ii) State any two characteristics of lakes formed due to faulting **(2 marks)**

(iii) With the help of a well labeled diagram, explain how the rift valley is formed through tension **(7 marks)**

b) A group of students carried field work in the rift valley around Naivasha.

(i) Give any four preparations that they undertook. **(4 marks)**

(ii) Give any two reasons why it would be appropriate to divide the students into groups. **(2 marks)**

(iii) Explain any four importance of faulting to human activities**.** **(8 marks)**

8. a) What is a lake **(2 marks)**

b) (i) Name two types of lake formed due to volcanicity. **2 marks)**

(ii) Explain how Lake Victoria influences the climate of the surrounding area. **(6 marks)**

c) (i) State three main reasons why lakes within the Rift Valley are salty. **(3 marks)**

(ii) Name any three fresh water lakes in Kenya which are within the Rift Valley. **(3 marks)**

d) (i) Explain any four economic significances of lakes to human activities. **(8 marks)**

(ii) Give one negative effect of lakes to man**.** **(1 mark)**

9. **a)** **(i)** Give two ways in which underground water may reach the earth's surface. **(2 mks)**

(ii) State three conditions necessary for the formation of artesian wells. **(3 marks)**

b) Explain three importance of underground water**.** **(6 marks)**

c) **(i)** Give three factors which influences the development of Karst landscape. **(3 marks)**

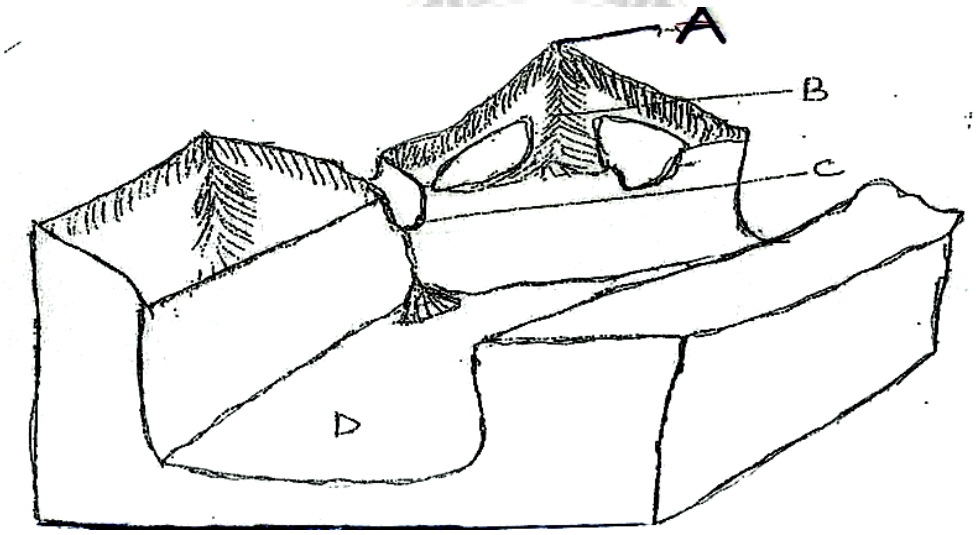
ii) Explain three reasons why Karst landscape discourages settlement. **(6 marks)**

d)With an aid of a well labeled diagram describe the formation of a limestone pillar. **(5 marks)**

10 .a) Outline three processes through which ice moves. **(3 marks)**

b) Explain three factors that influence glacial erosion. **(6 marks)**

c) Study the diagram below which shows a glaciated highland and answer questions c (i) and (ii)



i) Name the features marked A, B, C and D**.** **(4 marks)**

ii) Describe how features A and D were formed. **(6 marks)**

d) Suppose you were to carry out a field study of a glaciated highland:-

(i) State two disadvantages of using observation as a method of data collection. **(2 marks)**

(ii) State two problems you are likely to encounter**.** **(2 marks)**

(iii) Suggest two economic activities you would recommend to the Government in this area.

(2 marks)

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 8 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. a) What is an age-sex pyramid. **(2 marks)**

b) State two complication of an age sex pyramid with a narrow baze. **(2 marks)**

2. a) State three methods used to control tse-tse fly in Lambwe valley in Kenya. **(3 marks)**

b) Name two main non renewable sources of energy. **(2 marks)**

3. a) State four characteristics of tropical hardwood forests. **(4 marks)**

b) What is agro forestry? **(2 marks**

4. a) State the local names for tropical cyclones in the following regions. **(3 marks)**

(i) Far East

(ii) Australia

(iii) North America

b) Name three main sources of water pollution. **(3 marks)**

5. a) What is industrial Inertia. **2 marks)**

b) Outline two causes of Industrial Inertia. **(2marks)**

SECTION B

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

6. a) The table below shows crop production in Kenya for a period of five years.

YEAR/CROP	2007	2008	2009	2010	2011
MAIZE	600	800	700	800	600
PEAS	400	600	400	700	400
ONIONS	300	400	300	600	300
CABBAGES	100	200	200	400	200

(i) Using a scale of 1cm to represent 200 present the above data using a compound bar graph. **(9 mks)**

(ii) State three advantages of using the above method to present data. **(3 marks)**

B (i) List four conditions that favour the growth of palm oil in Nigeria. **(4 marks)**

(ii) Name two methods of harvesting palm oil. **(2 marks)**

(iii) Give two uses of palm oil. **(3 marks)**

(iv) Outline four reasons that have contributed to decline of palm oil in Nigeria**.** **(4 marks)**

7. a) What is fishing? **(1 mark)**

b) Explain four factors that influence fishing. **(8 marks)**

c) (i) List three traditional methods of fishing. **(3 marks)**

(ii) Outline three reasons why sea water fishing is not highly developed along the Indian Ocean Coast **(3 marks**

d) (i) Explain three reasons why Japan is a leading fishing nation. **6 marks)**

(ii) Identify four measures undertaken by the government of Kenya to manage and conserve fisheries. **(4 marks)**

8. a) State two characteristics of the following forms of internal trade.

(i) Wholesalers **2 marks)**

(ii) Retailers **(2 marks)**

b) Explain three factors influencing the exchange of goods and services. **(6 marks)**

c) (i) Name two member states of the Economic community of West African States. **(2 marks)**

(ii) What are the three main objectives of the economic community of West African States? **(3 marks)**

(iii) Identify three problems facing regional trading blocks. **(3 marks)**

d) Students of Sasumua intend to carry out a field study on trade in a local shop.

d) (i) State three method the students could use to collect data during the study. **(3 marks)**

(ii) Formulate two hypoblasts for the field work. **(2 marks)**

(iii) State two problems they are likely to encounter during the study. **(2 marks)**

9. a) (i) Define the term wildlife. **(2 marks)**

(ii) Name three natural habitats for wildlife. **(3 marks)**

(iii) Explain four problems facing wildlife conservation in Kenya. **(8 marks)**

(iv) State five significance of wildlife. **(5 marks)**

b) (i) What is domestic tourism. **(2 marks)**

(ii) Explain five factors that hinder domestic tourism in Kenya. **(5 marks)**

10. a) (i) Differentiate between the terms management and conservation in reference to the environment. **(2 marks)**

(ii) State four consequences of environmental degradation. **(4 marks)**

b) (i) State four farming methods that help in soil conservation. **(4 marks)**

(ii) Explain four efforts being carried out to conserve natural resources**.** **(8 marks)**

c) List three environmental hazards. **(3 marks)**

d) State four negative effects of using plastic paper bags to the environment. **(4 marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 9 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

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FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** What is desertification? **(2 marks)**

(b) State three human activities that lead to desertification. **(3 marks)**

2. **(a)** Give three examples of mechanically formed sedimentary rocks. **(3 marks)**

(b) State two changes that occur in sedimentary rocks when they are subjected to intense heat and pressure **(2 marks)**

3. **(a)** Why is ocean salinity higher in the tropical regions than at the equator . **(2 marks)**

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

4. **(a)** When local time is 2.00 p.m. at longitude 60^0E.What is the longitude of a place whose local time is 5.00 p.m. **(3 marks)**

(b) Give two effects of the oval shape of the orbit of the earth. **(2 marks)**

5. **(a)** Apart from river and wave deposition state three ways in which lakes may be formed. **(3 marks)**

(b) Name two lakes in Kenya where formed through river deposition. **(2 marks)**

SECTION B

Answer question 6 and any other two questions

6 Study the map of **Karatina 1:50000** sheet 121/3 provided and answer the questions that follow.

(a) **(i)**Give the latitudinal and longitudinal extend of the area covered by the map. **(2 marks)**

(ii) Name two methods used to represent relief on the map. **(2 marks)**

(iii) Calculate the area enclosed by the forest boundary east of easting 97 and west of easting 05. **(2 marks)**

(b) **(i)**Draw a rectangle measuring 9 cm by 8 cm to represent the area enclosed by the following grid references 9653, 0553, 9645 and 0545 **(1 mark)**

(ii) On the rectangle mark and name the following.

-District boundary **(1 mark)**

-Kamurdwana hill. **(1 mark)**

-River Gakombaki **(1 mark)**

-All weather bound surface road from Kianga to Kariko **(1 mark)**

(c) Explain three factors influencing the distribution of population in the area covered by the map. Q`w32**(6 marks)**

(d) Students of Kianga Secondary School carried out a field study of the area around their school.

(i) Identify two ways in which they prepared for the study **(2 marks)**

(ii) Using evidence from the map give three economic activities which they were able to identify **(6 marks)**

7. **(a)** **(i)** Give three sources of underground water. **(3 marks)**

(ii) Identify three ways in which springs occur. **(3 marks)**

(b) With the aid of a well labelled diagram show the three zones of underground water. **(6 marks)**

(c) Explain how the following factors influence the existence of underground water.

(i) Precipitation **(2 marks)**

(ii) Vegetation cover **(2 maks)**

(d) **(i)** Name any three surface features of limestone areas. **(3 marks)**

(ii) Describe how stalagmites are formed **(3 marks)**

(e) State three significance of underground water to human activities **(3 marks)**

8. **(a)** **(i)** What is an ice sheet? **(2 marks)**

(ii) Give two reasons why there are no ice sheets in Kenya. **(2 marks)**

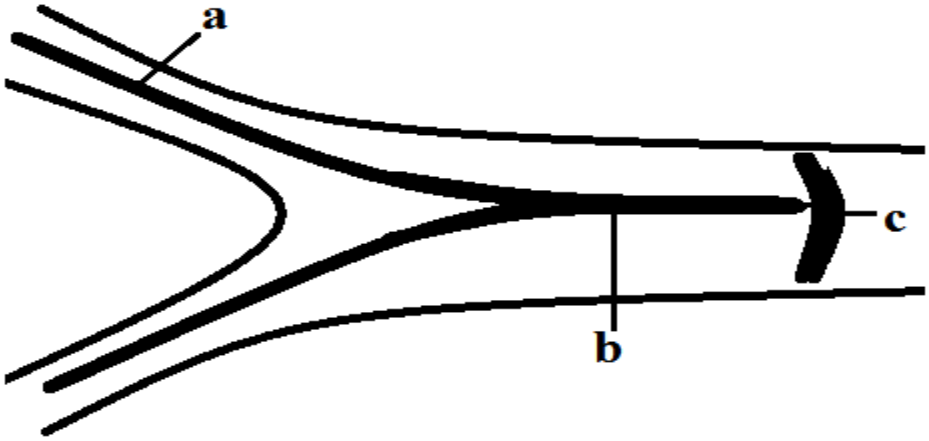
(iii) State three factors that influence the movement of ice from the place where it has accumulated. **(3 marks)**

(b) Describe the formation of the following features

(i) An Arete **(4 marks)**

(ii) Hanging valley **(5 marks)**

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



Name the types of moraine marked a,b and c. **(3 marks)**

(d) You have been asked to carry out a field study on land use on a glaciated lowland.

(i) State three preparations you would make for your field study. **(3 marks)**

(ii) State three possible land uses you are likely to identify during the field study.

9.

(a) **(i)** Define faulting . **(1 mark)**

(ii) Identify three types of faults. **(3 marks)**

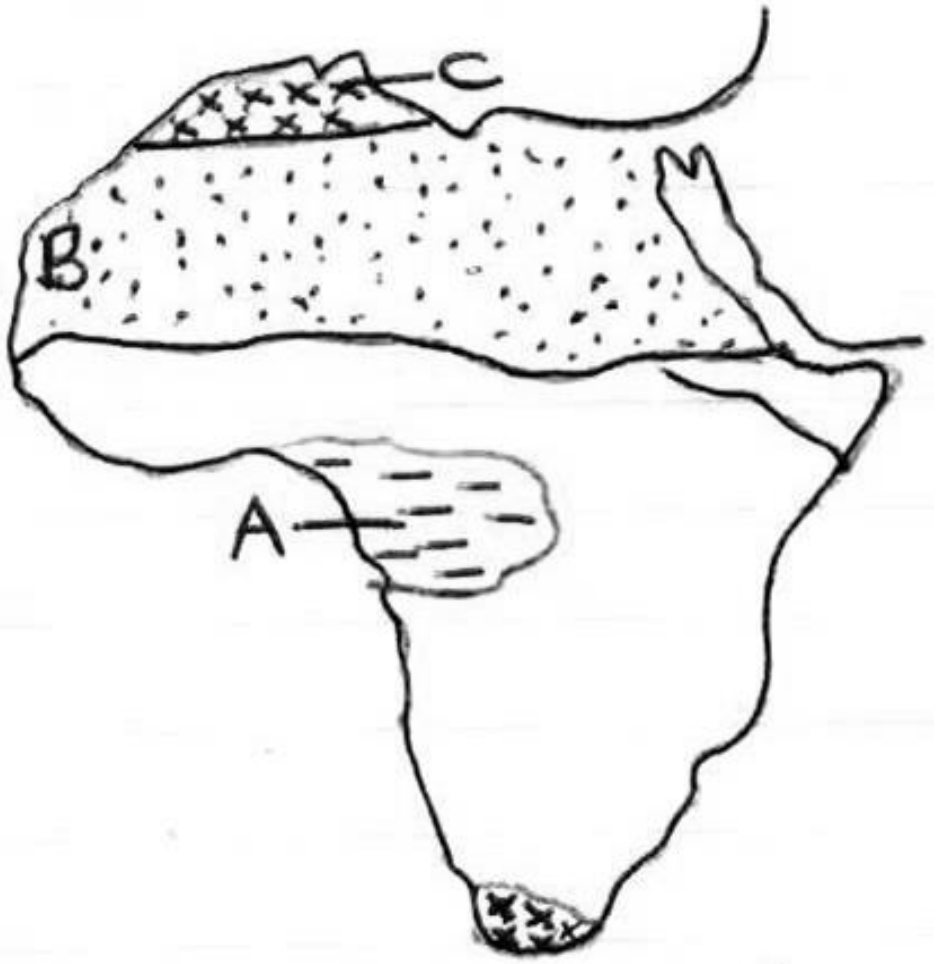
(b) Apart from compressional forces, explain two other processes that may cause faulting **(4 marks)**

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

(d) Apart from the rift valley name three other relief features that were formed by compressional forces **(3 marks)**

(e) Explain three significance of faulting to the physical and human environment. **(6 marks)**

10. Below is a map of Africa representing climatic regions .Use it to answer the questions that follow.



(a) Identify the climatic regions marked a, b and c. **(3 marks)**

(b) Outline the climatic characteristics of the regions marked:

(i) **A** **(4 marks)**

(ii) **C** **(4 marks)**

(c) Explain how the following factors influence climate

(i) Altitude **(4 marks)**

(ii) Distance from the sea **(4 marks**

(d) (i) Describe a suitable site where you would locate a weather station**.** **(2 marks)**

(ii) Give reasons why a Stevenson's screen is:

- Painted white **(2 marks)**
- Has louvers **(2 marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 9 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

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SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** Define the term "forestry". **(2 marks)**

(b) Give three reasons why agro forestry is being encouraged in Kenya. **(3 marks)**

2. **(a)** Name three modes of transport used in Kenya . **(3 marks)**

(b) Give two ways in which Cellphone contribute to Kenya's economic development. **(2marks)**

3. **(a)** List down three ways in which the society benefits from urbanization. **(3 marks)**

(b) In what ways are the functions of Nairobi and New York similar? **(2 marks)**

4. **(a)** Define the term "mining" **(2 marks.)**

(b) List three challenges Kenya faces in exploitation of her minerals. **(3 marks)**

5. **(a)** State two advantages of using solar energy. **(2 marks)**

(b) Identify three non-renewable sources of energy used in Kenya. **(3 marks)**

SECTION B

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

6. The data below represents sugarcane production in five major factories in Kenya.

Use it to answer the following questions.

FACTORY	PRODUCTION IN 000'TONNES
SONY	50
NZOIA	100
CHEMELIL	200
MUHORONI	250
MUMIAS	400

(a) **(i)**Using the data above, draw a divided rectangle measuring 15CM length **(7 marks)**

(ii) Give the difference in tonnage produced by Muhoroni and Nzoia companies. **(1 mark)**

(iii) List two advantages of representing data using a divided rectangle. **(2 marks)**

(b) Explain four physical conditions required for the growing of sugarcane successfully in Kenya. **(8 marks)**

(c) **(i)** State three uses of sugar . **(3 marks)**

(ii) State four benefits of sugarcane growing to the Kenyan economy. **(4 marks)**

7. **(a)(i)** Define the term trade. **(2 marks)**

(ii) State three reasons why Kenya experiences an unfavourable balance of trade. **(3 marks)**

(b) Explain four factors that influence internal trade in Kenya. **(8 marks)**

(c) (i) List three major imports to Kenya from Japan. **(3 marks)**

(ii) List three aids to trade available in Kenya **(3 marks)**

(d) Explain three benefits which member states of COMESA derive from the formation of the trading bloc **(6 marks**

8. Use the map of North America to answer the questions below.



(a) **(i)** Name the ocean currents named K and L **(2 marks)**

(ii) Name two methods of fishing used in the shaded area. **(2 marks)**

(b) Explain how the following factors favour fishing in the shaded area.

(i) Indented coastline **(2 marks)**

(ii) Ocean currents **(2 marks)**

(c) Explain four ways in which marine fisheries in Kenya can be conserved **(8 marks)**

(d) **(i)** Give three methods used to preserve fish in Kenya **(3 marks)**

(ii) Explain three problems experienced by fishermen in Lake Victoria **(6 marks)**

9(a) **(i)** Differentiate between land reclamation and land rehabilitation. **(2 marks)**

(ii) Name three methods of irrigation used in Kenya. **(3 marks)**

(b)(i) State three objectives that led to the establishment of Mwea irrigation scheme in Kenya **(3 marks)**

(ii) Explain four problem facing irrigation farming in Kenya. **(8 marks)**

(c) **(i)** What is a polder? **(2 marks)**

(ii) Name two crops grown in polders **(2marks)**

(d) Give five benefits of the Zulder Zee project to the Dutch. **(5Marks)**

10 **(a)(i)** Define the term Environmental conservation **(2marks)**

(ii) Apart from floods and environmental pollution name any other three environmental hazards **(3 marks)**

(iii) How do floods occur? **(2 marks)**

(b) Explain four measures used to combate floods in Kenya. **(8 marks)**

(c) (i) State three ways in which farming contributes to water pollution. **(3 marks)**

(ii) State four effects of air pollution on the environment **(4 marks)**

(d) Give three ways in which air pollution can be controlled. **(3 marks)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 10 PAPER 1

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

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SECTION A

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MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. **(a)** Define the term Environment. **(1mk)**

(b) Highlight **two** types of environment **(2mks)**

(c) Briefly explain the relationship between Geography and chemistry. **(2mks)**

2. **(a)** State **two** effects of the revolution of the earth. **(2mks)**

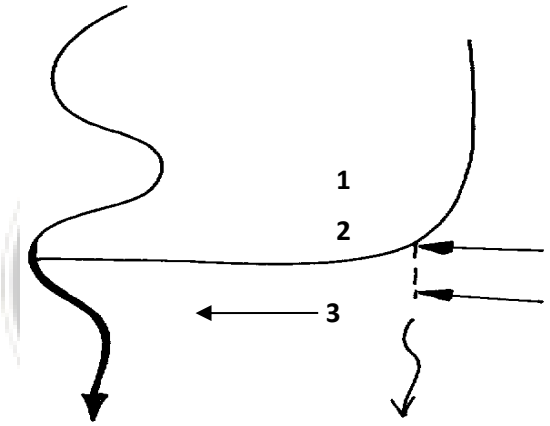
(b) What is the longitudinal of a place **X** whose local time is 8.00an, when the local time at Greenwich meridian (0^o) at noon? **(3mks)**

3. **(a)** Define the term mineral **(1mk)**

(b) Distinguish between porous and pervious rocks. **(2mks)**

(c) List **two** factors that influence the development of a soil profile **(2mks)**

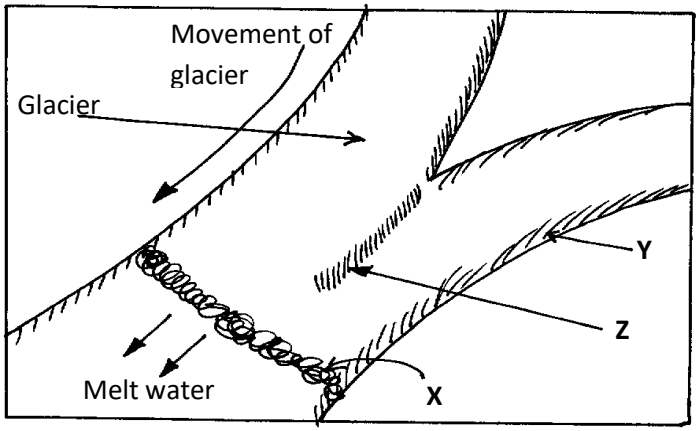
4. The diagram below illustrates river capture.



(a) Name the features marked **1**, **2** and **3**. **(3mks)**

(b)State **two** causes of river rejuvenation. **(2mks)**

5. The diagram below shows the movement of the glacier.



(a) Identify the moraines marked **X**, **Y**, and **Z** **(3mks)**

(b) State **two** factors that influence the movement of glacier**.** **(2mks)**

SECTION B

Answer question 6 and other two questions from this section.

6. Study the map of **Kitale 1:50, 000** (sheet 75/3) provided and answer the following questions.

(a) **(i)** Name **two** administrative divisions of Kitale map extract. **(2mks)**

(ii) Give the **six** grid reference of Kipsain police post. **(2mks)**

(iii) Mention **two** methods that have been used to represent relief on the map extract. **(2mks)**

(b) (i) Calculate the area of Kitale municipality. Give your answer in km^2 **(2mks)**

(ii) Name **two** functions of Kitale township **(2mks)**

(iii) Give the longitudinal extent of Kitale map extract. **(2mks)**

(c)(i) Using reduction fraction of ½ , reduce easting 32 to 40 and northing 11 to 17.
On the reduced area mark house surface road number **C**638. **(4mks)**

(ii) Giving evidence from the map extract, name **two** economic activities carried out within the map extract. **(4mks)**

(d) Students from Isaboke high school went out for a field study within the area covered by the map extract. When journey started from Kitale Municipality towards Saiwa farms

i) What preparations they made before the actual field study**.** **(2mks)**

(ii) Give **two** reasons why it was necessary to carry out previsit before actual field study. **(2mks)**

7. **(a)** **(i)** Define Mass-wasting **(1mk)**

(ii) State **three** factors that influence the speed of mass-wasting. **(3mks)**

(b) Explain **three** causes of landslides. **(6mks)**

(c)(i) State **three** factors necessary for the formation of Karst Scenery (Lime stone landscape) **(3mks)**

(ii) Using a well labelled diagram, describe the formation of Grikes and Clints **(5mks)**

(d) Suppose you carried out a field study of Karst scenery

(i) Name the underground features you observed. **(2mks)**

(ii) Give reasons why work-schedule is necessary in fieldwork**.** **(3mks)**

(iii) State **two** reasons why Karst landscape is not suitable for settlement **(2mks)**

8. **(a)** **(i)** What is volcano? **(1mk)**

(ii) Differentiate between the following terms

-Magma and lava **(2mks)**

-Solfatara and moffete **(2mks)**

(b) Draw an outline map of Kenya **(1mk)**

On it mark and label;

- Mount Kenya **(1mk)**
- Yatta plateau **(1mk)**
- Equator **(3mks)**

(c) Describe how the following features were formed

(i) Mount Kenya **(4mks)**

(ii) Yatta plateau **(3mks)**

(d) You are supposed to carry out a field study on a landscape influenced by vulcanicity

(i) State **three** problems you are likely to experience during the field study? **(3mks)**

(ii) Explain **three** negative effects of vulcanicity which you are likely to observe **(6mks)**

9. **(a)** **(i)** Identify **three** processing of wind erosion. **(3mks)**

(ii) Give **three** reasons why wind is an effective agent of erosion in hot deserts **(3mks)**

(b) Describe how the following features are formed. Illustrate your answer.

(i) Rock pedestal **(5mks)**

(c) State **three** features formed as a result of water action in the deserts. **(3mks)**

(d) Muhoroni high school students conducted a field study in Chalbi desert.

(i) State **three** reasons why they needed to sample part of the desert**.** **(3mks)**

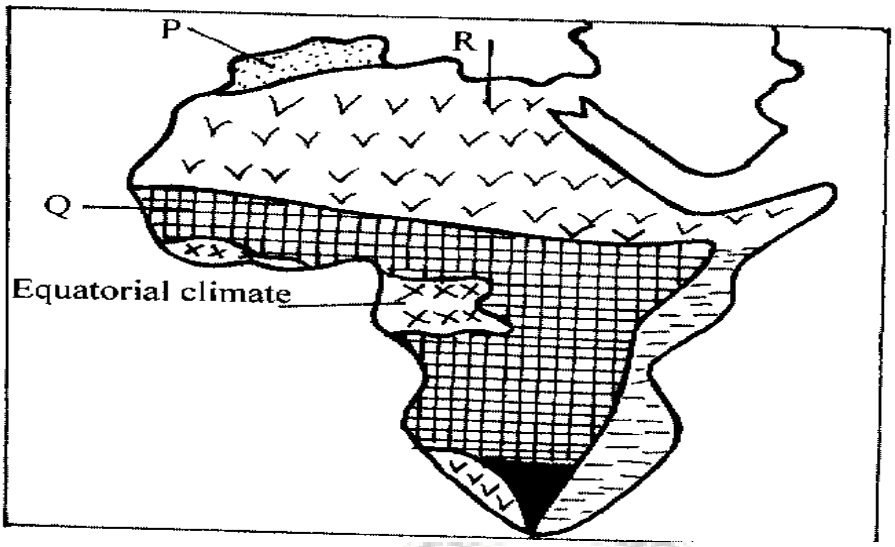
(ii) List **two** sampling techniques they are likely to have used. **(2mrks)**

10. **(a)** Explain how the following factors influence climate

(i) Latitudes **(2mks)**

(ii) Distance from the sea **(2mks)**

(b) Study the climate map of Africa and answer the questions that follow.



(i) Name the climatic region marked **P** and **Q**. **(2mks)**

(ii) Describe **three** characteristics of equatorial climate. **(3mks)**

(c) (i) What is climatic change ? **(1mk)**

(ii) Explain **two** effects of climate change on the physical environment. **(4mks)**

(d) The table below shows rainfall and temperature figures of a station in Africa.

Month	**J**	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**
Temperature	23	24	23	22	19	17	18	19	19	20	22	23
Rainfall in (mm)	109	122	130	76	52	34	28	38	70	108	121	120

(i) On the graph paper provided draw a bar graph to represent the rainfall figures.
(Use vertical scale of 1cm to represent 10mm). **(5mks)**

(ii) Describe the rainfall pattern of the station. **(3mks)**

(iii) Calculate the average monthly temperature of the station. (Show working). **(2mks)**

(iv) Identify the type of climate represented in the table above. **(1mk)**

TOP SCHOOLS PREDICTION

GEOGRAPHY

TRIAL 10 PAPER 2

Time: 2 ¾ Hours

NAME…… INDEX NO……..…

SCHOOL…….. SIGN……

DATE……...

INSTRUCTIONS TO CANDIDATES.

a) *Write your **NAME, SCHOOL** and **INDEX NUMBER** in the spaces provided above.*

b) ***Sign** and write **date** of examination in the spaces provided.*

c) *This paper has two sections: **A** and **B**.*

d) *Answer **all** questions in section **A**, **question 6** and any **two other** questions from section **B**.*

FOR EXAMINERS USE ONLY

SECTION A

QUESTION NUMBER	1	2	3	4	5	SUB TOTAL
MARKS						

SECTION B

GRAND TOTAL

QUESTION NUMBER	6	7	8	9	10	SUB TOTAL
MARKS						

SECTION A

Answer All the Questions in This Section

1. (a) Mention **three** measures taken by the East African countries to manage wildlife **(3mks)**

(b) A part from game parks and reserves, give **two** other tourist attraction sites in Kenya **(2mks)**

2. (a) What is market gardening? **(1mk)**

(b) State **four** factors that favour market gardening in Kenya. **(4mks)**

3. (a) Give **two** reasons for the decline in the use of letters as a mode of communication in Kenya. **(2mks)**

(b) Mention **three** benefits of road expansion in Kenya **(3mks)**

4. (a) List **two** factors hindering exploitation of natural forest in Kenya **(2mks)**

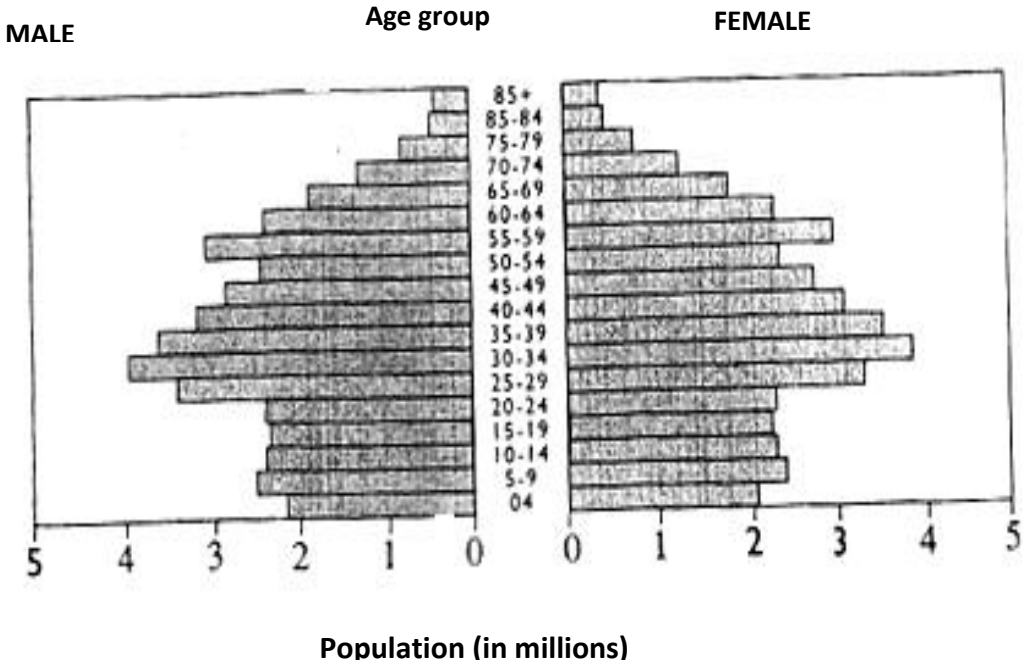
(b) Give **three** characteristics of planted forests **(3mks)**

5. (a) Give the difference between visible trade and invisible trade **(2mks)**

(b) State **three** benefits that Kenya will get from the renewal of East African cooperation. **(3mks)**

SECTION B

6. Study the population pyramid below to answer question 6(a)



(a) **(i)** Identify **one** country that is represented by the pyramid above **(1mk)**

(ii) Give **three** characteristics of the population represented by the pyramid **(3mks)**

(iii) Give **three** disadvantages of population structure represented by the pyramid. **(3mks)**

(b) Define the following terms

(i) Census **(2mks)**

(ii) Fertility **(2mks)**

(c) Identify **three** types of internal migration **(3mks)**

(d) Explain how the following influences population increase in Kenya.

(i) Early marriage

(ii) Improved medical care

(iii) Cultural beliefs **(6mks)**

7. **(a)** State **three** physical conditions that favour large scale sugarcane farming in Kenya. **(3mks)**

(b) Describe the cultivation of sugarcane in the lake region of Kenya from the preparation of land **(6mks)**

(c) Explain **five** problems facing sugarcane farming in Kenya. **(10mks)**

(d) Your class visited a sugar factory for a field study on sugar processing.

(i) Outline **four** stages of sugar processing that the class may have observed**.** **(4mks)**

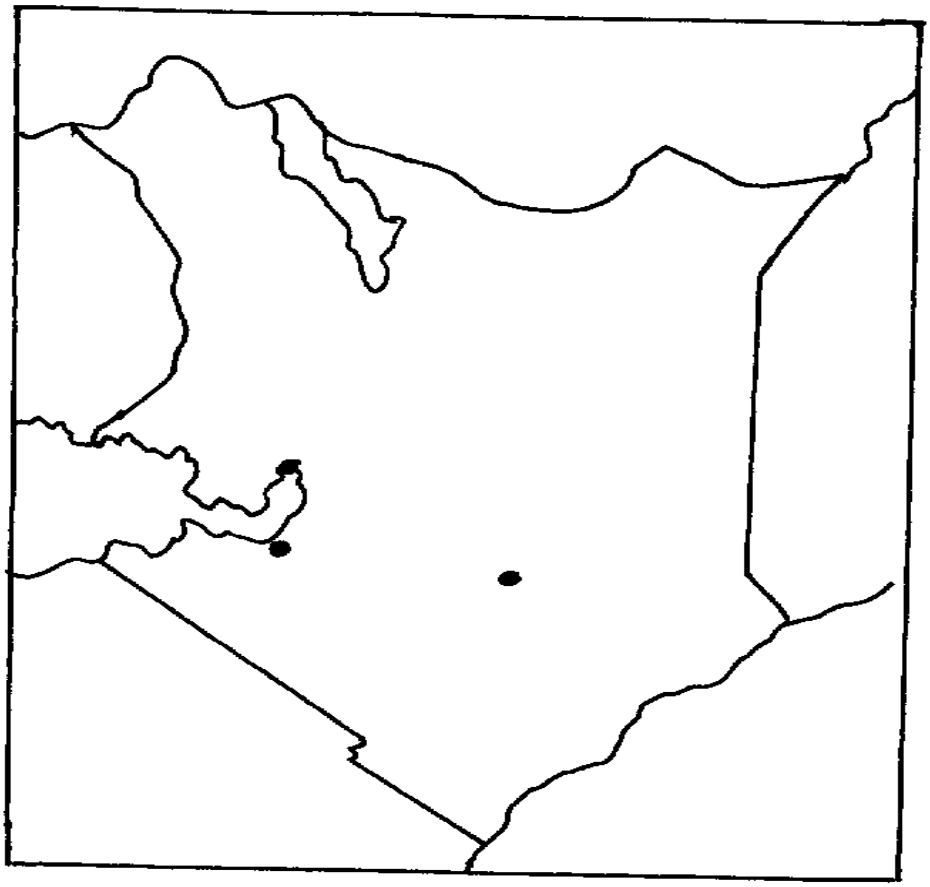
(ii) Name **two** by-products of sugar that the class may have identified during the study. **(2mks)**

8. **(a) (i)** Differentiate between fishing and fisheries **`(2mks)**

(ii) What are pelagic fish? **(1mk)**

(iii) Give **two** examples of pelagic fish **(2mks)**

(b) Fish farming stations`



(i) Name the fish farming stations/points marked **A**, **B** and **C** **(3mks)**

(ii) State **three** characteristics of fish farming in Kenya **(3mks)**

(iii) Explain **three** ways through which fish farming contributes to the economy of Kenya. **(6mks)**

(c) **(i)** Describe trawling method of fishing **(4mks)**

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

(i) Marketing **(2mks)**

(ii) Nature of the coastline **(2mks)**

9. **(a)** **(i)** What is industrialization? **(2mks)**

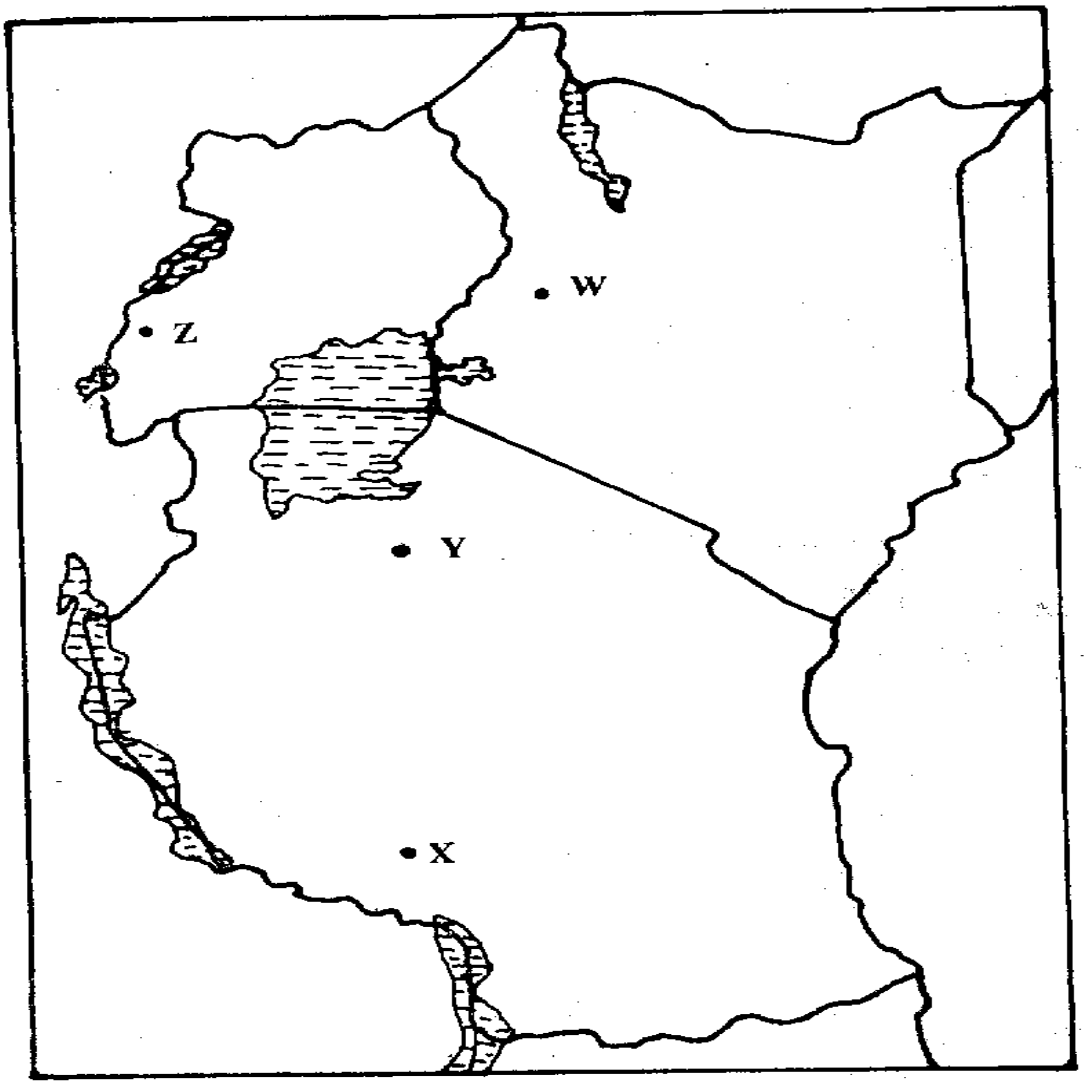
(ii) State **four** benefits of decentralizing industries in Kenya **(4mks)**

(iii) Give **four** reasons why Kenya should become an industrialized country **(4mks)**

(b) State **five** reasons why the development of the Jua kali industry is encouraged in Kenya **(5mks)**

(c) Explain **five** factors which influenced the location of Iron and Steel industry in the Ruhr Region of Germany. **(10mks)**

10. Use the map of East Africa to answer question **(a)(i).**



(a) **(i)** Identify the materials mined in the areas marked **W**, **X**, **Y** and **Z**. **(4mks)**

(ii) Name **two** sea ports through which some of the minerals mined in East Africa are exported **(2mks)**

(b) **(i)** State **three** ways in which mining derilicts can be reclaimed **(3mks)**

(ii) Explain **four** ways in which diamond mining contributes in the economy of South Africa **(8mks)**

(c) **(i)** What is energy crisis? **(1mk)**

(ii) State three causes of energy crisis in Kenya? **(3mks)**

(d) **(i)** State **two** problems that affect hydro-electric power production along river Tana. **(2mks)**

(ii) Give **two** factors which hinder the expansion of Geothermal power production in Kenya. **(2mks)**

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KILA LA HERI