TOP SCHOOLS MOCKS

GEOGRAPHY

(MOCKS TRIALS 1-10)

1st Series Compilation of Recent Top National Schools

KCSE Mock Trials in Geography.

NATIONAL KCSE MOCK TRIALS

SERIES 1

For Marking Schemes Call/WhatsApp

Mr Isaboke **0746222000**

MWALIMU AGENCY

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 1 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1. **(a)** Differentiate between vent eruption and fissure eruption **(2mks)**

(b) Name **three** intrusive volcanic features **(3mks)**

2. **(a)** What is a longitude? **(2mks)**

(b) What is the longitude of station **X** when it is 8.00am while in Nairobi at longitude 37^{o}E the time is 12.00 noon? **(3mks)**

3. **(a)** State **three** causes of earth movements **(3mks)**

(b) Name **two** main earthquake zones in the world **(2mks)**

4. **(a)** State **three** conditions necessary for the development of a karst scenery **(3mks)**

(b) Give **two** reasons why there are a few settlements in karst landscape **(2mks)**

5. **(a)** Name **three** types of coral reefs **(3mks)**

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

SECTION B

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

6. Study the map of Karatina sheet 121/3, scale 1:50,000 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)** Apart from contours, name **one** other method used to show relief in them appedarea **(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)** Apart from the houses, name two human made features in grid square 8755 **(2mks)**

(ii) Assume that four people live in each house in the grid square 8755, calculate population density **(2mks)**

(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 settlements in the mapped area

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

(ii) Rivers **(2mks)**

7. **(a)(i)** Name **two** components of soil **(2mks)**

(ii) Give **two** ways in which soils are formed **(2mks)**

(b) Explain how the following factors influence soil formation

(i) Climate **(4mks)**

(ii) Relief **(2mks)**

(c) **(i)** Other than soil erosion, state **two** other ways in which soils may be degenerated **(2mks)**

(ii) Briefly explain **two** effects of soil erosion to human activities **(4mks)**

(d) Draw a well labeled diagram of the soil catena **(3mks)**

(e) 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 **four** soil conservation measures you are likely to recommend to the residents of study area **(4mks)**

8. **(a) (i)** Differentiate between a drainage basin and watershed **(2mks)**

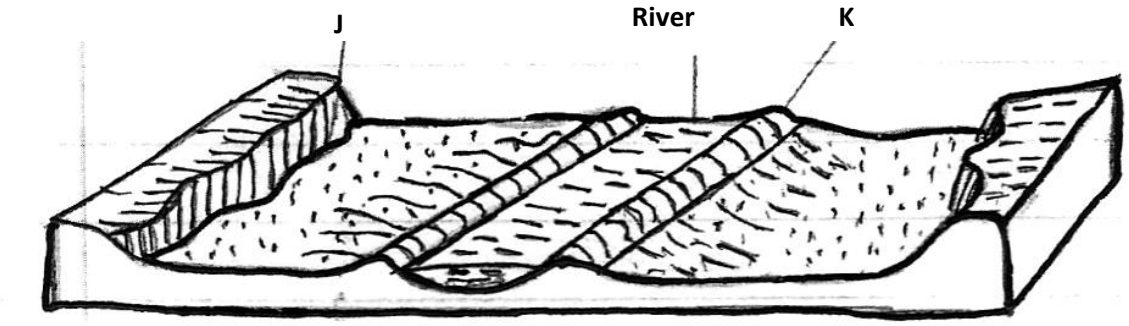
(ii) Identify **two** types of river erosion **(2mks)**

(b) Describe **two** processes through which a river transports its load **(4mks)**

(c) (i) Explain **two** causes of river rejuvenation **(4mks)**

(ii) Describe how an ox-bow lake is formed **(5mks)**

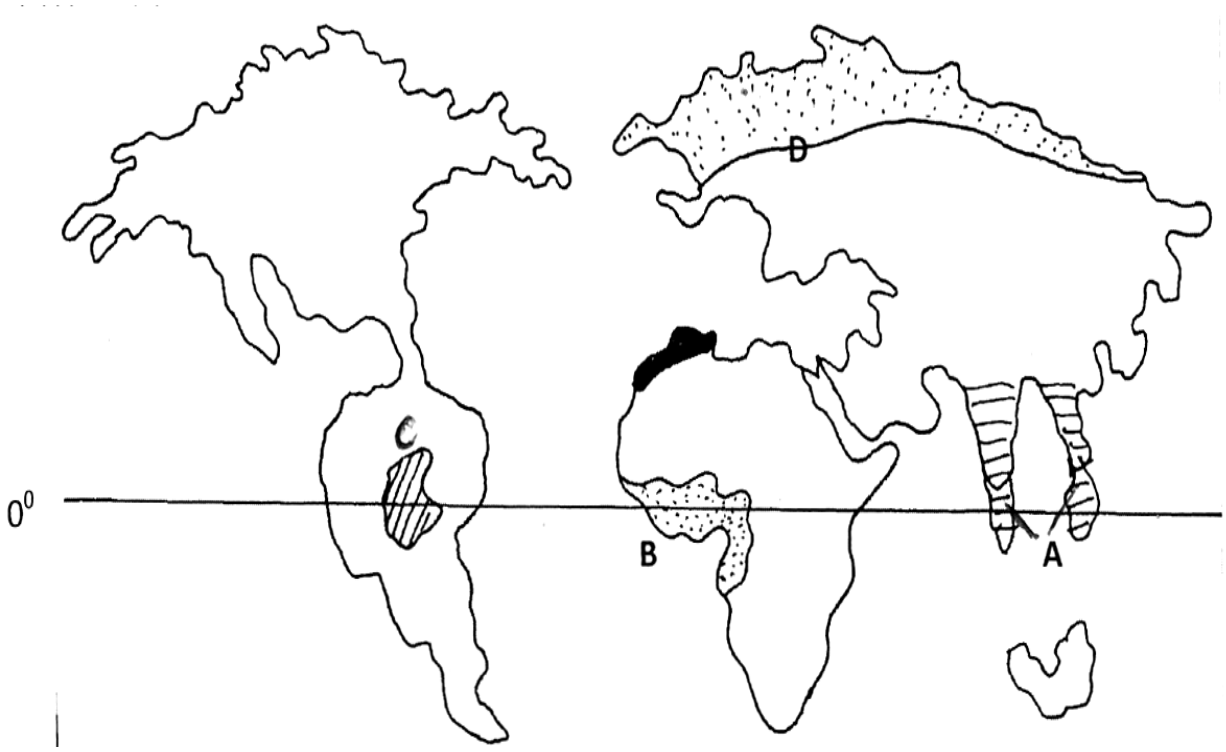
(d) (i) The diagram given shows a flood plain



Name the features marked **J** and **K** **(2mks)**

(ii) Explain **three** positive effects of floodplains to human activities **(6mks)**

9. The diagram below shows the world distribution of climate types. Use it to answer questions (a)(i) and (ii)



(a) **(i)** Name the climatic regions marked **A,B** and **D** **(4mks)**

(ii) State any **four** characteristics of the climate marked **C** **(4mks)**

(b) **(i)** Identify any **three** types of cold climates **(3mks)**

(ii) Briefly explain micro climate **(2mks)**

(c) **(i)** What is climate change? **2mks)**

(ii) Study the table and use it to answer questions (a),(b) and (c)

Months	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**June**	**Jul**	**Aug**	**Sept**	Oct	Nov	Dec
Temperature (°C)	**28**	**28**	**27**	**26**	**23**	**21**	**21**	**21**	**23**	26	26	27
Rainfall	**277**	**213**	**256**	**107**	**56**	**33**	**31**	**28**	**20**	132	135	234

(a) Calculate the mean annual temperature for the station **(2mks)**

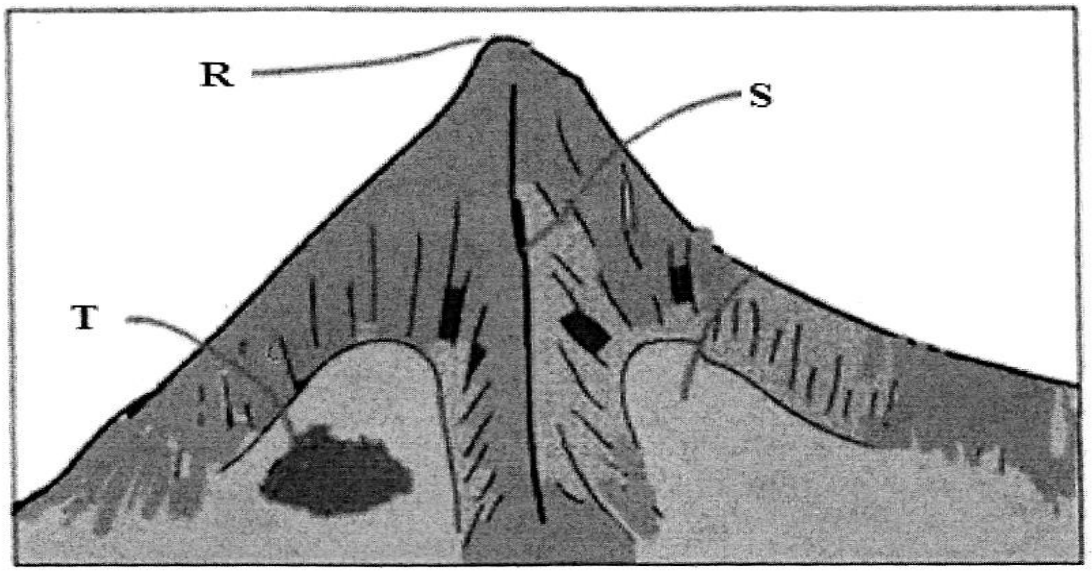
(b) What is the mean annual rainfall **(2mks)**

(c) State any **one** characteristics of the type of climate in the station **(1mk)**

(d) (i) Explain any **two** causes of global warming **(4mks)**

(ii) Name any **one** greenhouse gases **(1mk)**

10. **(a)** The diagram below shows a glaciated upland area. Study it and answer the questions that follow.



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

(ii) Describe **two** distinctive characteristics of a fiord **(2mks)**

(b) With the aid of a well labeled diagram, describe how the following features are formed

(i) Cirque **(6mks)**

(ii) Hanging Valley **(4mks)**

(c) Explain **two** factors that may influence glacial erosion in uplands **(4mks)**

(d) Your class intends to carry out a field study on glaciated lowland

(i) Name **one** type of moraine you are likely to identify during the study **(1mk)**

(ii) Give **two** reasons why you would need the map of the area **(2mks)**

(iii) State **three** importance of glacial features you are likely to identify **(3mks**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 1 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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SECTION A

Answer all questions in this section

1. **(a)** Define the term game sanctuary **(2mks)**

(b) List any **three** significance of wildlife in Kenya **(3mks)**

2. **(a)** Name **two** middle East countries which produce large quantities of petroleum **(2mks)**

(b) State **three** problems facing petroleum exploitation in middle East countries **(3mks)**

3. **(a)** What is energy crisis? **(2mks)**

(b) State **three** benefits of rural electrification in Kenya **(3mks)**

4. **(a)** Differentiate between forests and forestry **(2mks)**

(b) Give any **three** characteristics of softwood forests in Canada **(3mks)**

5. Study the table below of coffee production in Kenya and answer question **(a)** and **(b)**

Production in'000 tonnes of coffee in Kenya

	1999	2000	2001	2002	2003
Co-operative	39.4	62.2	25.0	28.8	34.0
Estates	28.7	38.5	26.9	23.1	21.4
Total	68.1	100.7	51.9	51.9	55.4

Source: Economic survey of Kenya 2004 (MWALIMU PUBLISHERS)

(a) State **three** physical factors favouring coffee growing in Kenya **(3mks)**

(b) List any **two** role of coffee in the economies of Kenya and Brazil **(2mks)**

SECTION B

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

6. The photograph below shows an activity in Kenya. Use it to answer question (a) and (b)



(a) (i) Identify the type of photograph shown above **(1mk)**

(ii) State any **two** evidence in the photograph supporting a(i) above **(2mks)**

(iii) Draw a rectangle measuring 15cm by 10cm to represent the area covered by the photograph. On it sketch and label four main features shown on the photograph **(6mks)**

(b) **(i)** Identify **two** features from the photograph that shows the area is dry **(2mks)**

(ii) Name **two** counties in Kenya where the photograph might have been taken **(2mks)**

(c) **(i)** Explain **four** problems facing pastrolism in Kenya **(8mks)**

(d) You intent to carry out a field study in the area shown by the photograph

(i) State **two** problems you are likely to encounter **(2mks)**

(ii) List any **two** follow-up activities you would carry out after the field study **(2mks)**

7. **(a)** Define the following terms

(i) Tariff **(1mk)**

(ii) Quota **(1mk)**

(iii) Balance of payment **(1mk)**

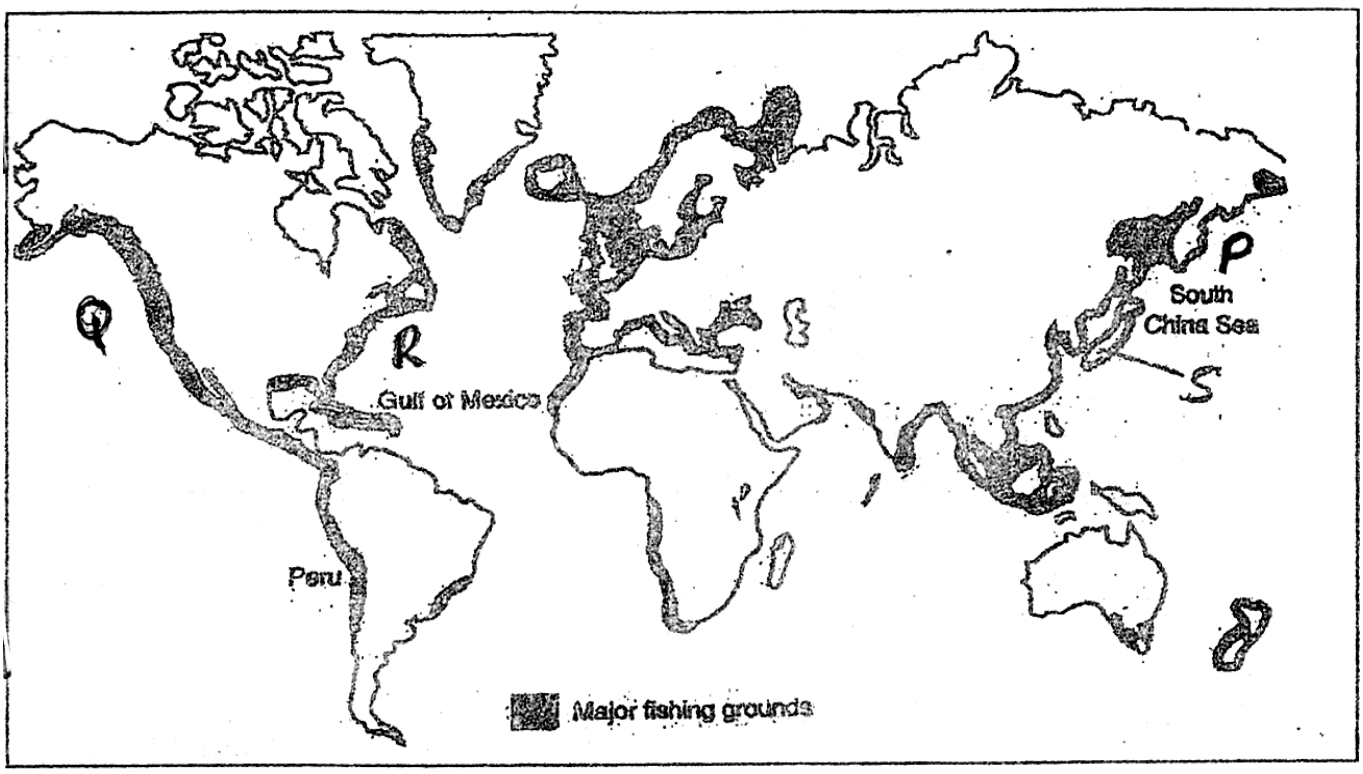
(iv) Incentives **(1mk)**

(b) Explain **four** factors that hinders trade between Kenya and her neighbor **(8mks)**

(c) State any **five** problems developing countries face in International trade **(8mks)**

(d) Explain **four** measures Kenya has taken to reduce her unfavourable balance of trade **(8mks)**

8. The map below shows the major fishing grounds in the world. Use it to answer the question **(9)**



(a) **(i)** Name the fishing grounds marked **P**,**Q** and **R** **(3mks)**

(ii) Explain **four** conditions that favour fishing in country marked S **(8mks)**

(b) **(i)** Differentiate the term Polagre and Dermorsal fish **(2mks)**

(ii) Describe long-lining as a method of commercial fishing **(4mks)**

(c) **(I)** State **two** methods used to preserve fish **(2mks)**

(ii) Explain **three** problems facing Marine fishing in East Africa **(6mks)**

9. **(a)** Define the following

(i) Environmental management **(2mks)**

(ii) Environmental Conservation **(2mks)**

(b) Give **five** reasons why it is necessary to manage and conserve the environment **(5mks)**

(c) A part from irrigation explain five measures taken to control floods in Kenya **(10mks)**

(d) Suppose some student carried a field study

(i) List **two** methods you would use to collect data **(2mks)**

(ii) Why is it important to prepare a work schedule **(4mks)**

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

(b) **(i)** Besides irrigation state five methods used to reclaim land in Kenya **(5mks)**

(ii) Explain **four** benefits which Kenya gets from irrigation farming **(8mks)**

(c) **(i)** Define the term Polder **(2mks)**

(ii) Explain **four** benefits of land reclamation in Netherlands **(8mks**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 2 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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SECTION A

Answer all questions in this section

1. **(a)** List the disadvantages which are related with the following areas of study of geography.

(i) Geomorphology **(1mk)**

(ii) Biogeography. **(1mk)**

(b) List **three** main areas of study of physical /geography **(3mks)**

2. **(a)** List any t**wo** main areas which make up the external art of the earth.

(b) List any **three** discontinuities which are found in the atmosphere **(3mks)**

3. **(a)** What is plate tectonics theory? **(2mks)**

(b) Nam**three**mainboundarieswhichdevelopduetothemovementofplatetectonic **(3mks)**

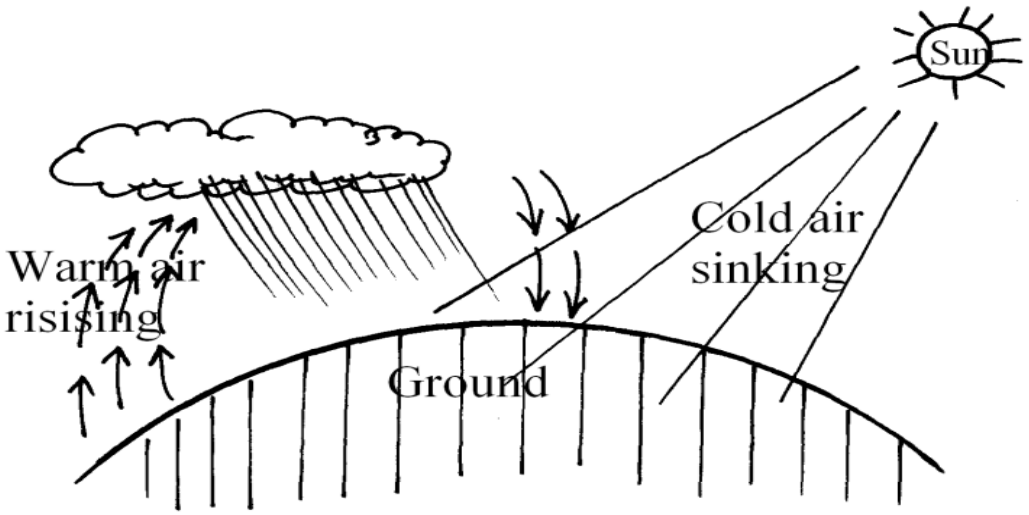
4. **(a)** Define the following terms of the hydrological cycle

(i) Precipitation **(1mk)**

(ii) Evaporation **(1mk)**

(b) List any three factors that influence the rate of evaporation from the earth's surface **(3mks)**

5. The diagram below show the formation of some type of rainfall .Use it to answer question(a) and (b)



(a) **(i)** Name the type of rainfall shown by this diagram **(1mk)**

(ii) Name the type of cloud marked (a) **(1mk)**

(b) List three weather conditions associate with the above name(a) type of rainfall.**(3mks)**

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 to answer questions that follow.

(a) **(i)** Identify the feature found in grid reference 967543 **(1mk)**

(ii) What is the distance of River Sagana found to the South Western area of the area covered by the map from the bridge in grid square 8347 to the Southern edge of the area covered by the map *(Give your answer in Kilometres)*

(iii) List any **two** methods that have been used to represent the relief of the area covered by the map **(2mks)**

(b) **(i)** Calculate the area covered by the part of Mt. Keya forest East of easting 99 and south of Northing 55*(Give your answer in square Kilometres)* **(3mks)**

(ii) Name **two** district found in the area covered by the map **(1mk)**

(c) **(i)** Using a vertical scale of 1cm rep 50m draw a cross section from grid reference 810500 to 870500 **(5mks)**

(ii) On the cross section drawn mark and name
-All weather roads (loose surface) **(1mk)**
-River Rithithi **(1mk)**
-Power line **(1mk)**

(iii) Calculate vertical exaggeration (VE) for the cross section drawn **(2mks)**

(d) Describe drainage in the area covered by the map **(6mks)**

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

(ii) Describe how a normal fault is formed **(2mks)**

(b) **(i)** With the aid of well –labelled diagrams explain how a rift valley is formed by tensional forces. **(8mks)**

(ii) Apart from the Riftvalley name any other three feature formed by faulting **(3mks)**

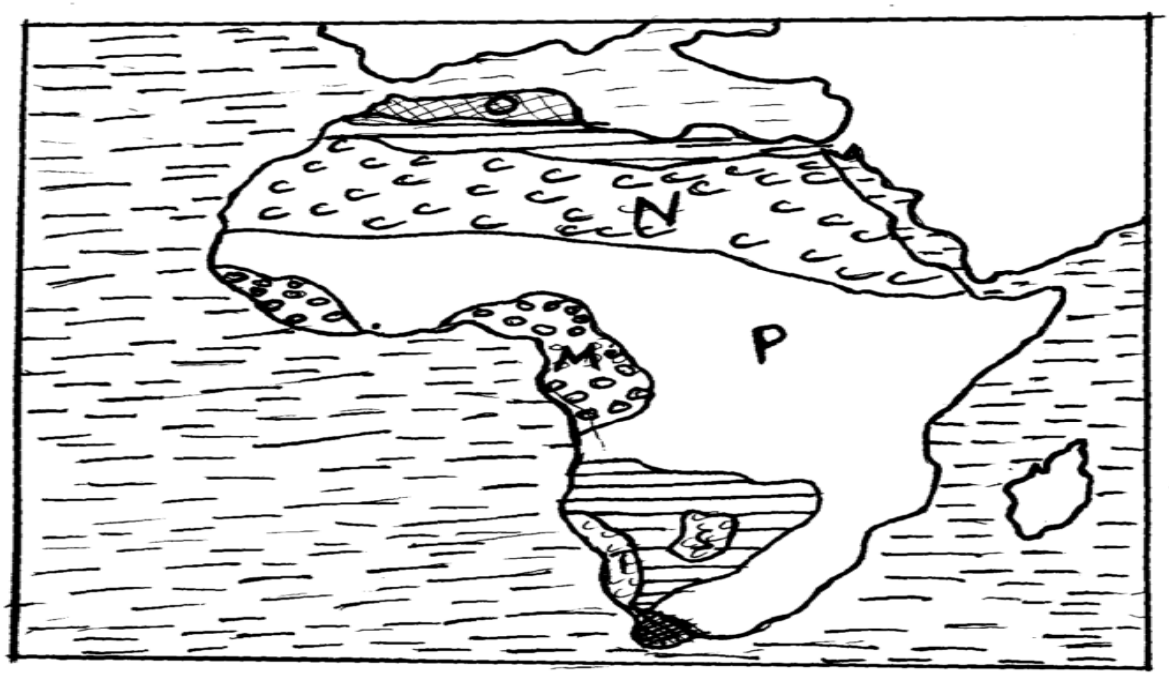
(c) Mention any **five** effects of the process of faulting to human environment **(5mks)**

(d) Students from Itiero Girls High School intend to carry out a field study of a fault block near their school.

(i) List any **three** objectives for their study **(3mks)**

(ii) List any **two** secondary sources of information that they would use to collect data **(2mks)**

8.



(a) **(i)** Name the types of climates marked M,O and P **(3mks)**

(ii) Name the desert marked T and S **(2mks)**

(b) Describe the characteristics of the climate marked N **(6mks)**

(c) **(i)** Explain any **four** natural factors influencing garidity and Desertification **(8mks)**

(d) Explain any **six** effects of desert features on the human environment. **(6mks)**

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

(ii) List any **three** features which occur in the oceans **(3mks)**

(b) **(i)** Define the term waves **(2mks)**

(ii) Differentiate the term swash from backwash **(2mks)**

(c) **(i)** Explain any **three** processes of wave erosion **(6mks)**

(ii) Explain how a tombob is formed **(4mks)**

(iii) Give **three** conditions necessary force formation of coral reefs **(3mks)**

(d) List any **three** features which develop on submerged highland coasts. **(3mks)**

10. **(a)** **(i)** List any t**hre**e sources of underground water **(3mks)**

(ii) Differentiate pervious rocks from porous rocks **(2mks)**

(b) Explain **four** factors that influence the occurrence of underground water. **(8mks)**

(c) **(i)** Mention any **three** factors necessary for the formation of karst features . **(3mks)**

(ii) List any **three** underground features of karst areas **(3mks)**

(d) Explain any **three** significance as of karst features to man. **(6mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 2 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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SECTION A

Answer all questions in this section

1. **(a)** Define the term industrial inertia **(2mks)**

(b) State three characteristics of cottage industry **(3mks)**

2. **(a)** Briefly describe how mineral occur in veins and lodes **2mks)**

(b) State three problems of land dereliction **(3mks)**

3. **(a)** State three physical conditions that favour large scale sugarcane growing in Kenya **(3mks)**

(b) Name two areas where sugarcane is grown in large scale in Kenya. **(2mks)**

4. **(a)** Define the term transhumance **(2mks)**

(b) State three characteristics of nomadic pastoralism **(2mks)**

5. **(a)** State three reasons why common market for Eastern and Southern (COMESA) was formed **(3mks)**

(b) State two factors that limits trade among the countries of Eastern Africa. **(2mks)**

SECTION B

Answer question 6 and any other two from this section.

6. Use the table below to answer the following questions Visitors arrival in Kenya between 1998 and 2002(in 1000) Number of visitors

Year	**1998**	**1999**	**2000**	**2001**	**2002**
Purpose					
Holiday	686.9	746.9	778.2	728.8	732.6
Business	86.8	94.4	98.3	92.1	86.6
Transit	101.9	107.4	138.5	152.6	163.3
Others	18.7	20.6	21.1	20.1	19.0
Total	**894.3**	**969.3**	**1036.1**	**993.6**	**1001.5**

(a) **(i)** Draw a compound bar graph to represent the above data **(6mks)**
Use vertical scale of 1cm represents 100,000 visitors

(ii) State two disadvantages of compound bar graph **(2mks)**

(iii) Draw two conclusions from the compound bargraphyouhavedrawn.**(2mks)**

(b) **(i)** State three human factors which influence tourism in Kenya **(3mks)**

(ii) Give two main tourist attraction at the Kenya coast **(2mks)**

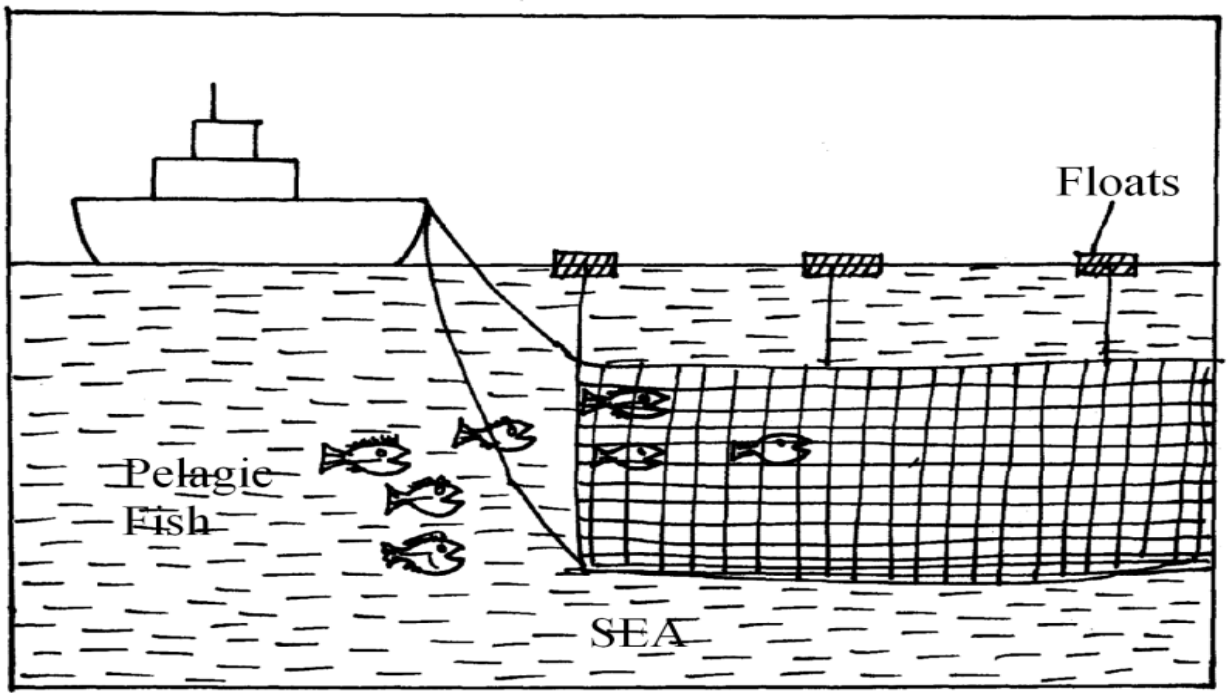
(c) State four significance of tourism in Kenya **(4mks)**

(d) Compare tourism in Kenya and Switzerland **(6mks)**

7. **(a)** **(i)** Define the term fisheries **(2mks)**

(ii) Name three pelagic salt water fish species **(3mks)**

(b) The diagram below demonstrates a method of fishing .Use it to answer the questions that follow.



(i) Identify the fishing method shown above **(1mk)**

(ii) Describe how fishing is done using the method named above **(4mks)**

(c) **(i)** Name two fresh water fishing grounds in Kenya **(2mks)**

(ii) Give three reasons why fresh water fishing is more developed than marine fishing in East Africa. **(3mks)**

(iii) State four economic benefits of fishing in Kenya. **(4mks)**

(d) Explain three physical factors favouring fishing in Japan **(6mks)**

8. **(a)** **(i)** Draw an outline map of Nigeria **(1mk)**

(ii) On the map shade the main growing areas of oil palm **(2mks)**

(b) State three physical conditions that are necessary for the growing of oil palm **(3mks)**

(c) Describe the stages involved in the harvesting and processing of oil palm fruits in Nigeria **(8mks)**

(d) Explain three ways in which oil palm contribute to Nigeria economy. **(6mks)**

(e) **(i)** State two uses of oil palm **(2mks)**

(ii) Give three problems facing oil palm in Nigeria. **(3mks)**

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

(ii) Name two forest reserves in Kenya **(2mks)**

(b) State two advantages of planted forests in Kenya **(4mks)**

(c) Explain four measures the government has put in place to manage and conserve forests **(8mks)**

(d) Explain three factors that have hindered the exploitation of the equatorial forests **(6mks)**

(e) Give two economic uses of mangrove forest. **(2mks)**

10. **(a)** (i) What is an environmental hazard **(2mks)**

(ii) A part from floods name two other environmental hazard **(2mks)**

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

(c) Describe four measures being taken to manage and conserve the environment in Kenya **(8mks)**

(d) Students from Rianyabaro school of excellence intend to carry out field study in an area affected by floods.

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

(ii) Give two reasons why would prepare a work schedule

(iii) Suggest three measures they would recommend to the local community on how to control floods.

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 3 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

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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.*

SECTION A

Answer all questions in this section

1. **(a)** What is solstice? **(1mk)**

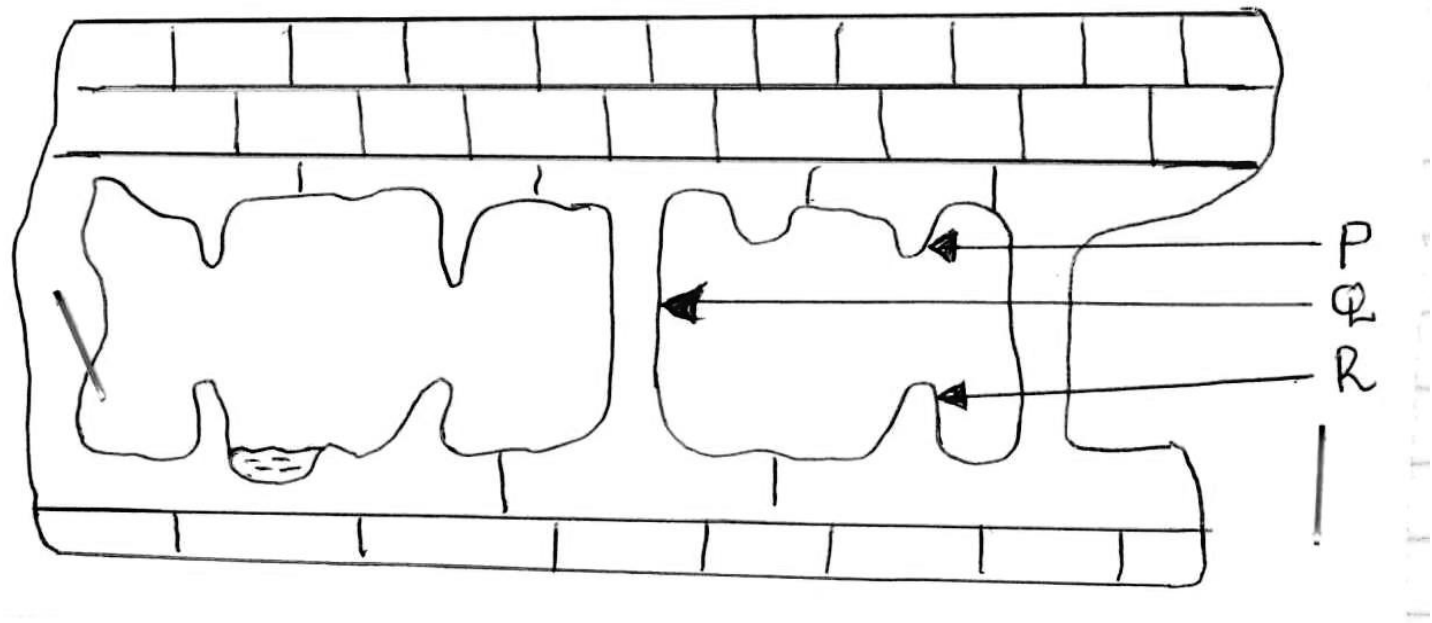
(b) Give the date when summer solstice occurs. **(1mk)**

(c) State **three** proofs to show that the earth is spherical. **(3mks)**

2 **(a)** Name **two** factors that influence atmospheric pressure. **(2mks)**

(b) State **three** characteristics of inter-tropical convergence zone. **(3mks)**

3. The diagram below represents some features formed in Karst landscape.



a) State the features labeled P, Q and R. **(3mks)**

b) State **two** conditions for the formation of an artesian well / basin. **(2mks)**

4. **(a)** State **two** characteristics of intrusive igneous rocks. **(2mks)**

(b) Name **three** methods used to estimate the age of rocks. **(3mks)**

5. **(a)** State **three** ways through which rivers transport its load. **(3mks)**

(b) Give **two** effects of earthquakes in built-up areas. **(2mks)**

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 magnetic variation of the area covered by the map. **(1mk)**

(ii) Give **two** methods used to represent relief on the map provided. **(2mks)**

(iii) Calculate the area of Mount Kenya Forest in Kirinyaga District. **(2mks)**

(b) Give **three** social services provided at Tumu Tumu town. **(3mks)**

(c) Draw a cross-section along Northings 50 from Eastings 92 to 98. **(3mks)**

(i) On the cross-section mark the following features: **(3mks)**

- All Weather Road
- River Karuru
- District boundary

(ii) Calculate the vertical exaggeration (V.E) **(2mks)**

(iii) Determine the inter-visibility of the cross-section. **(1mk)**

(d) Describe the drainage of the area covered by the map. **(6mks)**

(e) Give the highest and lowest point of the area covered by the map. **(2mks)**

7. **(a) (i)** Apart from Rift Valley, name **two** other relief features that were formed as a result of faulting. **(2mks)**

(ii) With the aid of a well labeled diagram, describe how a Rift Valley is formed by tensional forces. **(8mks)**

a) Explain **four** effects of faulting. **(8mks)**

b) Students are planning to carry out a field study in an area affected by faulting.

1. State **four** reasons why it is important for the students to have a pre-visit of the area. **(4mks)**

2. One of the ways they would use to collect data is through direct observation.

3. Give **three** disadvantages of direct observation in the study of such an area.**(3mks)**

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

(ii) Apart from plants, give **three** other factors that influence the rate of weathering. **(3mks)**

(iii) Explain **two** ways in which plants cause weathering. **(4mks)**

(b) (i) List **two** types of mass wasting other than soil creep. **(2mks)**

(ii) Explain **three** factors that cause soil creep. **(6mks)**

(c) Explain **four** effects of mass wasting on the environment. **(8mks**

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

(b) State the **two** conditions that favour formation of a glacier. **(2mks)**

(c) (i) Name **three** processes through which ice moves. **(3mks)**

(ii) Explain **three** processes through which glacier erodes the surface. **(6mks)**

(d) Describe the formation of the following features:

(i) Roche Mountonée **(4mks)**

(ii) Rock basin **(4mks)**

(e) Explain **two** negative effects of glaciations on the physical environment. **(4mks)**

10. (a) What is soil catena? **(2mks)**

(b) Explain the following leaching processes:

(i) Laterisation. **(3mks)**

(ii) Podzolisation. **(3mks)**

(c) (i) State **three** ways in which humus improves the quality of soil. **(3mks)**

(ii) Name **three** types of soil according to structure. **(3mks)**

(d) Explain how the following factors cause loss of soil fertility:

(i) Change in soil pH. **(2mks)**

(ii) Irrigation in arid and semi arid regions. **(2mks)**

(iii) Destruction of soil structure. **(2mks)**

(e) You have been asked to carry out a field study in causes of soil erosion in a region near your school.

1. Mention **two** methods you would use to collect data during the study. **(2mks)**
2. Mention **two** activities you would undertake during the field study. **(2mks)**
3. Mention **one** follow up activity you would carry out after the field study**.(1mk)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 3 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1 **a)** Define the following terms:

(i) Settlement **(1mk)**

(ii) Urbanization. **(1mk)**

(b) State **three** effects of urbanization. **(3mks)**

2 **(a)** Apart from polders, name **two** other reclaimed areas in the Netherlands. **(2mks)**

(b) Apart from irrigation, name **three** methods of land reclamation used in Kenya **(3mks)**

3 **(a)** Distinguish between a game sanctuary and a national park. **(2mks)**

(b) Give **three** factors that favour establishment of natural parks in the semi-arid areas of East Africa. **3mks)**

4 **(a)** Distinguish between fish farming and fisheries. **(2mks)**

(b) State **three** characteristics of equatorial rain forest. **(3mks)**

5 **(a)** Name **two** forest reserves in Kenya. **(2mks)**

b) State **three** characteristics of equatorial rain forest. **(3mks)**

SECTION B

Answer question 6 and any other two questions in this section

6. The table below shows the production of minerals in country Q between19992002.production in ('000). Use it to answer questions **(a)**

	YEARS							
	1999		2000		2001		2002	
		CT		CT		CT		CT
GOLD	150	150	165	165	170	170	200	200
GEMSTONE	530	680	540	705	550	720	600	800
COPPER	220	900	230	935	235	955	250	1050
SALT	850	1750	860	1795	900	1855	910	1960
TOTAL	1750		1795		1855		1960	

(a) (i) Using the data in the table above, draw a compound bar graph. **(8mks)**

(ii) State **two** advantages of compound bag graph as a method of data presentation. . **(2mks)**

(b) (i) Name the minerals mined in the following areas in Kenya: **(3mks)**

i. Kariandusi

ii. Kwale

iii. West Pokot

(c) Describe how deep shaft mining is carried out. **(7mks)**

(d) State **five** environmental problems associated with open cast mining. **(5mks)**

7. (a) (i) Define the term trade. **(1mk)**

(ii) Name **two** levels of external trade. **(2mks)**

(b) (i) Differentiate between invisible exports and visible exports. **(2mks)**

(ii) Name **two** leading export commodities from Kenya. **(2mks)**

(c) Explain **four** measures Kenya may take to reduce the unfavourable balance of trade. **(8mks)**

(d) (i) Name **two** regional trade blocks in Africa. **(2mks)**

(ii) Explain **four** benefits of international trade to Kenya. **(8mks)**

8. (a) (i) State **three** factors that have influenced the development of industries in Eldoret town. **(2mks)**

(ii) Name **two** non-food agricultural industries in Thika. **(3mks)**

(b) (i) Explain ways in which each of the following factors may affect the location and development of industries:

(a) Raw materials **(2mks)**

(b) Transport **(2mks)**

(c) Market **(2mks)**

(ii) Identify the main industries found in each of the following towns:

(d) Kisumu **(1mk)**

(e) Nakuru **(1mk)**

(c) Give **four** reasons why Kenya should become an industrialized country as per the vision 2030. **(4mks)**

(d) Describe the measures that should be taken by the Kenyan government to control effects of industrialization. **(4mks)**

(e) Form four class from Kipsigak high school carried a field study on industrialization in Kapsabet town.

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

(ii) List **two** methods of data recording that they will use to record the data. **(2mk)**

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

(ii) State **three** modern means of communication used in Kenya. **(3mks)**

(b) Explain **four** factors hindering the development of road transport in Kenya**.** **(8mks)**

(c) (i) Name **two** canals found along the St. Lawrence Seaway. **(2mks)**

(ii) State **four** reasons why the St. Lawrence Seaway project was set up. **(4mks)**

(iii) Explain **three** advantages of Railway Transport in reference to standard gauge Railway to be put up in East Africa. **(6mks)**

10. (a) Name **three** types of dairy cattle kept in Kenya. **(3mks)**

(b) (i) State **four** conditions that favour dairy farming in Kenya highlands. **(4mks)**

(ii) Explain **three** problems facing dairy farmers in Kenya. **(6mks)**

(c) (i) State **three** measures the government of Kenya is taking to improve dairy farming. **(3mks)**

(ii) Compare dairy farming in Kenya and Denmark. **(4mks)**

(d) You intend to carry out a field study in a dairy farm.

(i) Give **three** methods you would use to collect information. **(3mks)**

(ii) State **two** follow up activities you would carry out after the field study. **(2mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 4 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1. **(a)** Define the solar system **(1mk)**

(b) Give **four** proofs that show that the earth is spherical **(4mks)**

2. **(a)** What do you understand by

(i) Micro-climate **(2mks)**

(ii) Green house effect **(2mks)**

(b) Name **one** instrument found in a Stevenson screen **(1mk)**

3. **(a)** State **two** cause of coastal submergence **(2mks)**

(b) Name **three** conditions necessary for the growth of coral polyps **(3mks)**

4. **(a)** Identify the types of faults shown by the diagrams below **(2mks)**

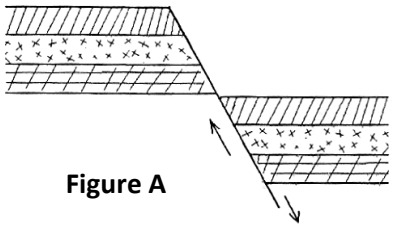


Figure A

Figure B

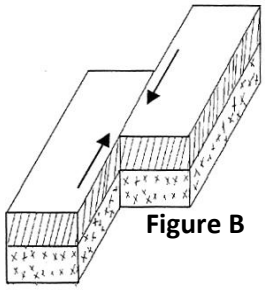


Figure B

(b) State **three** negative effects of faulting **(3mks)**

5. **(a)** Name an **three** glacial erosion features found in the highlands **(3mks)**

(b) State **two** factors that influence the rate of glacial erosion 2mks)

SECTION B(75marks)

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

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

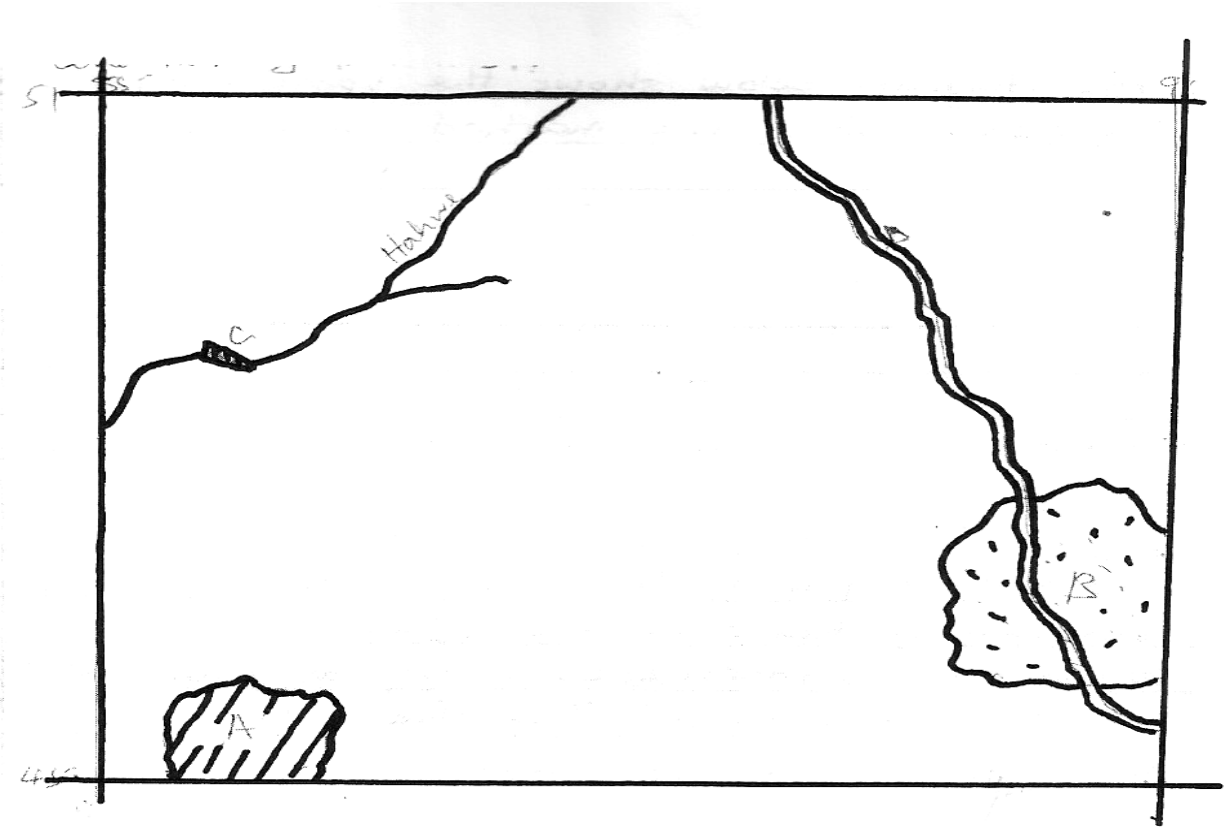
(a) **(i)** Convert the RF of the map into a statement scale **(1mk)**

(ii) Calculate the bearing of the church at Hiriga grid square 8457 from the cattle at Kaburuini grid square 8756 **(2mks)**

(iii) Calculate the area of Karatina town. Give your answer in square kilometers **(2mks)**

(iv) Name the **two** districts covered by the map **(2mks)**

(b) The rectangle below represents that area in the map extract bounded by easting **85** and **92** and northing 45 and 51



(i) Identify the features marked A,B,C and D **(4mks)**

(c) Citing evidence from the map, give three economic activities carried out in the area covered by the map

(d) Apart from forests, name three types of natural vegetation found to the East of Easting 94 **(3mks)**

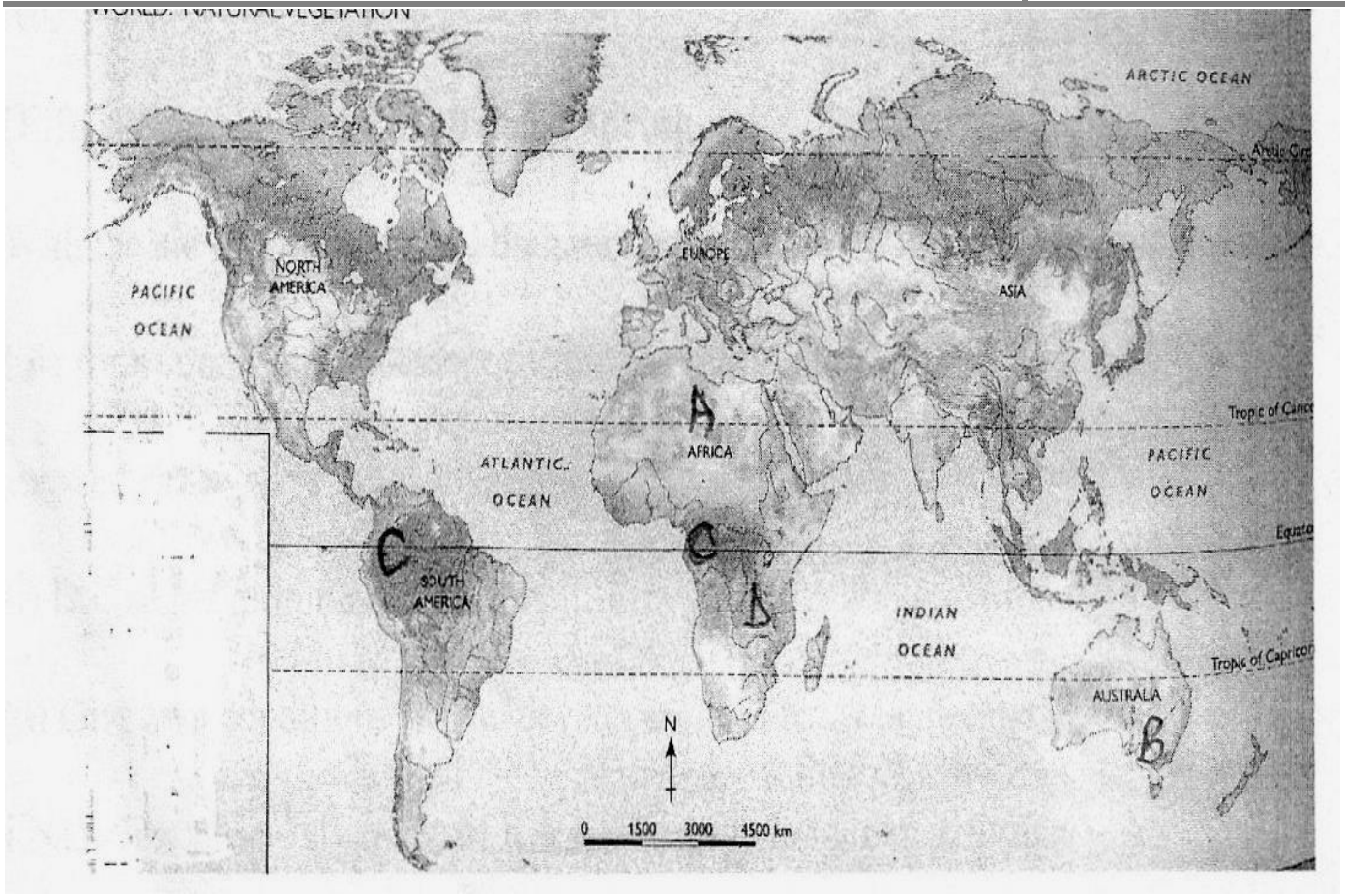
(e) Describe the drainage of the area covered by the map **(5mks)**

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

(ii) State **four** consequences of climate change **(4mks)**

(b) Name **two** physical factors influencing vegetation distribution in Kenya **(2mks)**

(c) Study the sketch map below showing some vegetation zones of world. Use it to answer the questions **(c)(i)(ii)** and **(iii)**



(i) Name the vegetation zones marked A,B,C and D **(4mks)**

(ii) Explain **four** ways in which vegetation marked A have adapted to their environment **(8mks)**

8. **(a)** **(i)** What is a river divide? **(1mk)**

(ii) Describe **three** ways by which a river transports its load **(6mks)**

(b) Give the characteristics of a river in its old stage **(7mks)**

(c) Describe the following drainage patterns/systems

(i) Superimposed **(3mks)**

(ii) Centripetal **(2mks)**

(d) You have planned to carry out a study of a river in its youthful stage

(i) Give any **two** preparations for your study **(2mks)**

(ii) Name **two** features you are likely to study **(2mks)**

(iii) State **two** problems you are likely to experience during their study **(2mks)**

9. **(a)(i)** Apart from the thermal metamorphism, name two other types of metamorphism **(2mks)**

(ii) Describe how the following types of rocks form

(a) Calcereous rocks **(3mks)**

(b) Carbonaceous rocks **(3mks)**

(iii) Name **three** examples of rocks that are dominant at the coast of Kenya (3mks)

(b) Explain how sedimentary rocks are formed through the following processes;

(i) Mechanical process **(4mks)**

(ii) Chemical process **(4mks)**

(c) Ingolomosio Secondary school intends to carry out a field study on rocks in Mt. Longonot

(i) State **three** activities they would be involve in **(3mks)**

(ii) State **three** objectives of your study **(2mks)**

10. **(a)** Differentiate between a well and a spring **(2mks)**

(b) With the aid of a well labeled diagram, show the three zones of ground water **(6mks)**

(c) List **four** conditions necessary for the formation of an Artesia well **(4mks)**

(d) Explain **three** ways in which ground water is of significance to human activities **(6mks)**

(e) **(i)** Define the term Karst scenery **(2mks)**

(ii) Give **two** conditions for the development of Karst landscape **(2mks)**

(iii) Outline the significance of Karst landscape to human activities **(3mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 4 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1.	**(a)**	Name **two** methods of under ground mining	**(2mks)**
	(b)	State **three** factors that influence mining	**(3mks)**
2.	**(a)**	State **three** conditions that favour the growing of oil palm in Nigeria	**(3mks)**
	(b)	State **two** problems that face oil palm farming in Nigeria	**(2mks)**
3.	**(a)**	Give **two** examples of softwood trees found in Kenya	**(2mks)**
	(b)	State **three** problems facing forestry in Canada	**(3mks)**
4.	**(a)**	What is external trade?	**(2mks)**
	(b)	State **three** reasons why Kenya trades in raw material rather than finished products	**(3mks)**
5.	**(a)**	State **three** reasons why Northern parts of Kenya are sparsely populated	**(3mks)**
	(b)	Give **two** types of information obtainable from a population pyramid	**(2mks)**

SECTION B(75MARKS)

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

6. Quality of fresh water fish landed in the years 2008 to 2010 (quantities in tonnes)

Lake	2008	2009	2010
Victoria	9,200	5,100	6700
Baringo	4,600	200	300
Turkana	2,000	3,700	3,800
Fish farming	980	1,000	1,200

(a)(i) Draw comparative bars graphs using the data above **(8mks)**

(ii) Which year had the highest total number of fish landed? **(1mk)**

(iii) State **two** possible reasons as to why there has been a decline of fish in L. Baringo **(2mks)**

(b) Explain **three** physical factors that influence fishing **(6mks)**

(c) State **four** significance of the fishing industry in Kenya **(4mks)**

(**d)** Give **four** measures being taken to conserve fresh water fisheries **(4mks**

7. **(a)** **(i)** Define eco-tourism **(1mk)**

(ii) Name **two** Game Reserves found in the Rift valley of Kenya **(2mks)**

(iii) Give the differences between National Parks and Game Reserves **(4mks)**

(b) **(i)** State **three** factors that hinder domestic tourism in Kenya **(3mks)**

(ii) Give **two** negative effects of tourism in Kenya **(2mks)**

(c) **(i)** Give **two** differences between tourist attractions in Kenya and those of Switzerland **(2mks)**

(ii) Give **two** reasons why domestic tourism is encouraged in Kenya **(2mks)**

(iii) Explain **three** physical factors favouring tourism in Switzerland **(6mks)**

(iv) State **three** reasons why the government of Kenya encourages foreign tourists **(3mks)**

8. **(a)** **(i)** Name **three** main sugar cane growing areas in the Lake Victoria basin **(3mks)**

(ii) State **five** physical conditions necessary for the growing of sugarcane in Kenya **(5mks)**

(b) Describe the commercial production of sugarcane from land preparation to harvesting **(7mks)**

(c) (i) Give **four** uses of sugar **(4mks)**

(i) Explain **three** ways through which the government of Kenya assists small-scale sugarcane farmers **(6mks)**

9. **(a)** **(i)** Define land rehabilitation **(2mks)**

(ii) State **three** ways irrigation is important to Kenya **(3mks)**

(b) Explain **three** ways land is rehabilitated in Kenya **(6mks)**

(c) **(i)** What is a polder? **(1mk)**

(ii) Describe land reclamation from the sea in Netherlands **(6mks)**

(d) You intend to carry out a field study on land rehabilitation around your school

(i) State **three** ways you could prepare for the study **(3mks)**

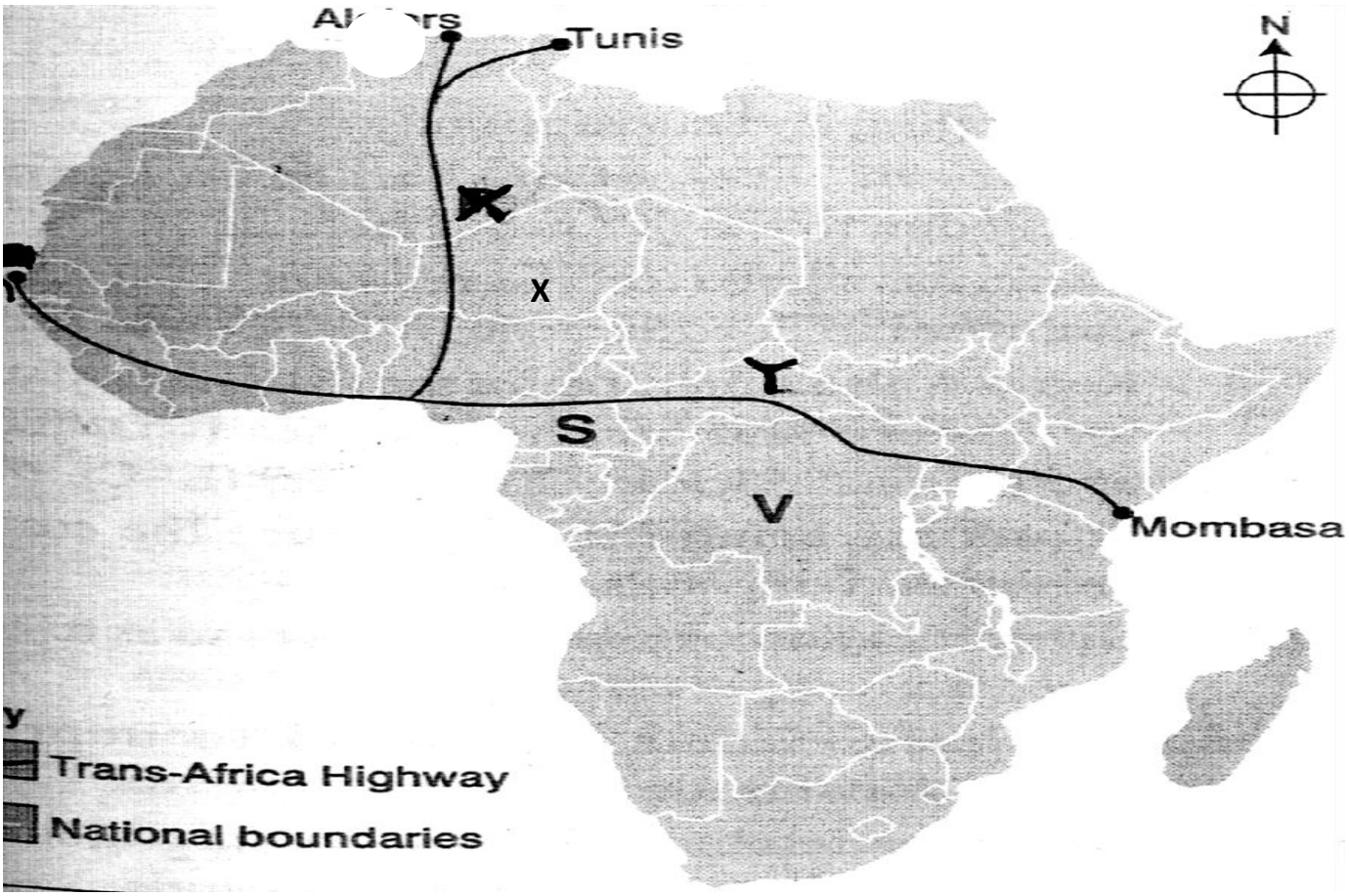
(ii) Give **three** follow-up activities you would carry out after the field study. **(3mks)**

10. **(a)** **(i)** Name **three** main modes of transport in Kenya **(3mks)**

(ii) State **four** problems facing communication in Kenya **(4mks)**

(b) Explain **four** advantages of rail transport over road transport **(8mks)**

(c) Use the map of Africa below to answer the following questions



(i) Nan e highways marked **X** and **Y** **(2mks)**

(ii) Name the port marked **M** **(1mk)**

(iii) Name the country marked **S** **(1mk)**

(d) (i) Give **two** reasons why it is difficult to transport goods from Mombasa to Lagos by Road **(2mks)**

(ii) State **four** efforts that have been made to improve transport in Africa **(4mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 5 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

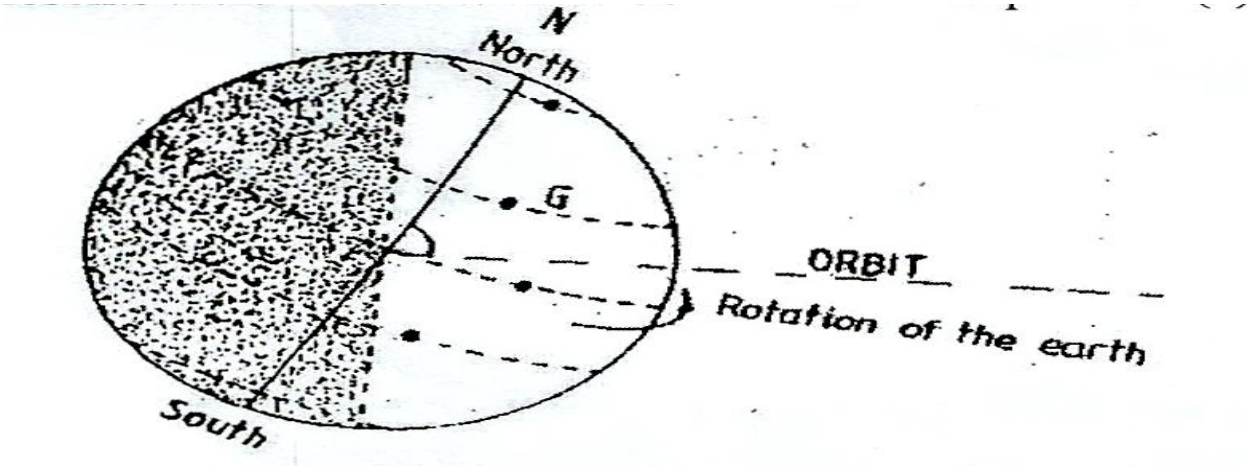
SECTION A

Answer all questions in this section

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

   b) State **two** changes that occur in sedimentary rocks when they are subjected to intense heat and pressure. **(2mks)**

2. The diagram below represents the earth on its axis. Use it to answer question **(a)**



(a) **(i)** Name the latitude marked **G** **(1 mk)**

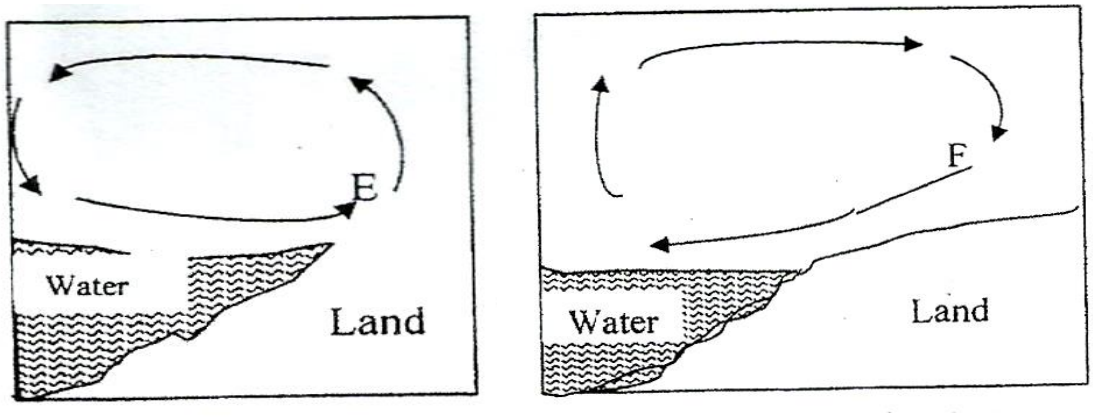
(ii) What is the angle of inclination of the earth's axis from it orbit? **(1 mk)**

(b) State **three** ways that make the earth as a planet different from other planets **(3mks)**

3. **(a)**Name **three** external land forming processes that leads to the formation of lakes **(3mks)**

(b) State **three** ways in which lakes influence the natural environment **(3 mks**

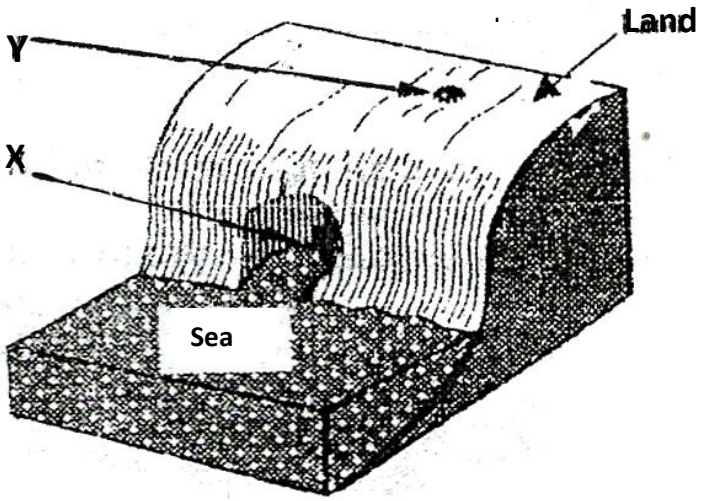
4. The diagram below represents the flow of air current. Use them to answer question



(a) In your answer booklet, name the air current marked **E** and **F** **(2 mks)**

(b) Give the reason why air cools as it rises **(2mks)**

5. The diagram below represents a coastal landform



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

(b) State **three** conditions necessary for the formation of a sand spit. **(3mks)**

SECTIONS B

Answer questions 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) Give **two** methods used to show relief on the map **(2mks)**

(ii) Give the names of the adjoining map sheets 120/4 and 135/2 **(2mks)**

(iii) Convert the map scale into a statement scale. **(1mk)**

(iv) State the height of the highest point on the area covered by the map. **(2mks)**

(v) Calculate the area of the forest in Kirinyaga District (give your answer in square kilometers) **(2mks**

(b) (i) Name **two** human features found in grid square 8052 **(1mk)**

(iii) Draw a rectangle measuring 16cm by 12 cm to represent the area enclosed by Easting's 97 to 05 and Northings 45 to 51 **(1mk)**

- On the rectangle mark and name the following features:
- The tree swamp **(1mk)**
- The district boundary **(1mk)**
- All weather road (bound surface) to Kirinyaga **(1mk)**

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

(d) Citing evidence from the map, explain **three** factors that influence the distribution of settlements in the area covered by the map. **(6mks)**

7. (a) (i) A part from the Rift Valley name **two** other relief features that were formed as a result of faulting. **(2mks)**

(ii) With the aid of a well labelled diagram, describe how a rift Valley is formed by tensional forces. **(8mks)**

(b) Explain **four** effects of faulting **(8mks)**

(c) Students are planning to carry out a field study of an area affected by faluting.

(i) State **four** reasons why it is important for the students to have a pre-visit of the area **(4mk**

(ii) One of the ways they would use to collect data is through direct observation. Give **three** disadvantages of direct observation in the study of such an area. **(3mks)**

8. (a) (i) What is glaciations? **(1mk)**

(ii) Give **three** differences between glacial trough and river valley **(3mks)**

(b) (i) State **two** ice ages **(4mks)**

(ii) Describe **two** ways in which ice moves **(4mks)**

(c) (i) State **two** characteristics of a pyramid peak **(2mks)**

(ii) Name **three** types of Maraines **(3mks)**

(d) With a well labeled diagrams, describe the processes involved in the formation of a corrie lake. **(6mks)**

(e) Outline **four** ways in which glaciated landscape is of negative significance to human activities**.** **(4mks)**

9. (a) Describe how a river erodes its channels by the following process.

(i) Hydraulic action **(2mks)**

(ii) Abrasion **(2mks)**

(b) (i) Explain **three** factors that lead to rejuvenation of a river **(6mks)**

(ii) Describe the process of a river capture. **(6mks)**

(c) Some students carried out a field study on the feature found a long a river.

(i) List **three** features formed as a result of river erosion. **(3mks)**

(ii) State **three** methods that students may have used to record their data **(2mks)**

(iii) Explain **two** ways in which features resulting from river deposition are of significance to human activities. **(4mks)**

10. (a) (i) Differentiate between weathering and denudation **(2mks)**

(ii) State **three** factors that influence the rate at which weathering occur. **(3mks)**

(b) Explain how the following processes of weathering occur in arid areas.

- Crystal growth **(2mks)**
- Expoliation **(2mks)**
- Block disintegration **(2mks**
- Granular disintegration **(2mks)**

(c) (i) A part from soil creep, name **three** other types of slow –mass wasting **(3mks)**

(ii) State **three** causes of soil creep **(3mks)**

(d) Students from a school in Rachuonyo South sub county carried out a field study on land slides.

(i) Identify **two** ways they must have prepared for the filed study. **(2mks)**

(ii) Name **two** types of rapid mass movement they could have identified**.** **(2mks)**

(iii) State **two** effects of rapid- mass wasting they came across**.** **(2mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 5 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1. (a) Name **two** international airports in Kenya. **(2mks)**

(b) Give **three** advantages of using mobile ph**one**s. **(3mks)**

2. (a) Apart from flooding name **two** climatic hazards that occur in Kenya**.** **(2mks)**

(b) State **three** measures used to control floods in Kenya. **(3mks)**

3. (a) What is a cottage industry? **(2mks)**

(c) Give **four** reasons why the government of Kenya encourages the establishment of Jua Kali industries. **(4mks)**

4. (a) Name **two** exotic breeds of commercial beef cattle reared in Kenya. **(2mks)**

(b) Outline **two** similarities of commercial beef cattle in Kenya and Argentina**.** **(2mks)**

5. (a) What is mixed farming? **(2mks)**

(b) State **three** physical conditions that favour cocoa growing in Ghana. **(3mks)**

SECTION B

Answer questions 6 and any other two questions from this section in the answer booklet provided.

Study the photographs provided and use it to answer the following.

6. (a) Name the type of photograph shown above. **(2mks)**



(b (i) Draw a rectangular measuring 8cm and 5cm to represent the area of the photograph **(1mk)**

(ii) On the rectangular sketch, name and labell **four** main features shown on the photograph. **(4mks)**

(c) (i) Describe the scene in the photograph. **(4mks)**

(ii) Name **two** types of fish caught in the North east Atlantic fishing ground. **(2mks)**

(iii) Describe trawling as a fishing method . **(4mks)**

(d) Explain **four** factors that have made Japan to be a leading fishing nation. **(8mks)**

7. (a) (i) Apart from draining of swamps, give **two** other methods through which land has been reclaimed in Kenya. **(2mks)**

(ii) Give **two** methods that are used to drain swamps in Kenya. **(2mks)**

(b) (i) Name **two** rivers that supply water to the Mwea Tabera irrigation scheme. **(2mks)**

(ii) Explain how the following factors influence the establishment of Mwea irrigation schemes.

- Topography **(2mks)**
- Soils **(2mks)**
- Population **2mks)**
- Government policy **(2mks)**

(c) (i) Name **three** areas which make up the Zuider Zee reclamation project in the Netherlands **(3mks)**

(ii) Give **four** differences between land reclamation in Kenya and the Netherlands. **(8mks)**

8. (a) What is ecotourism ? **(2mks)**

(b) (i) Give **four** tourist attraction found at the coast of Kenya

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

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

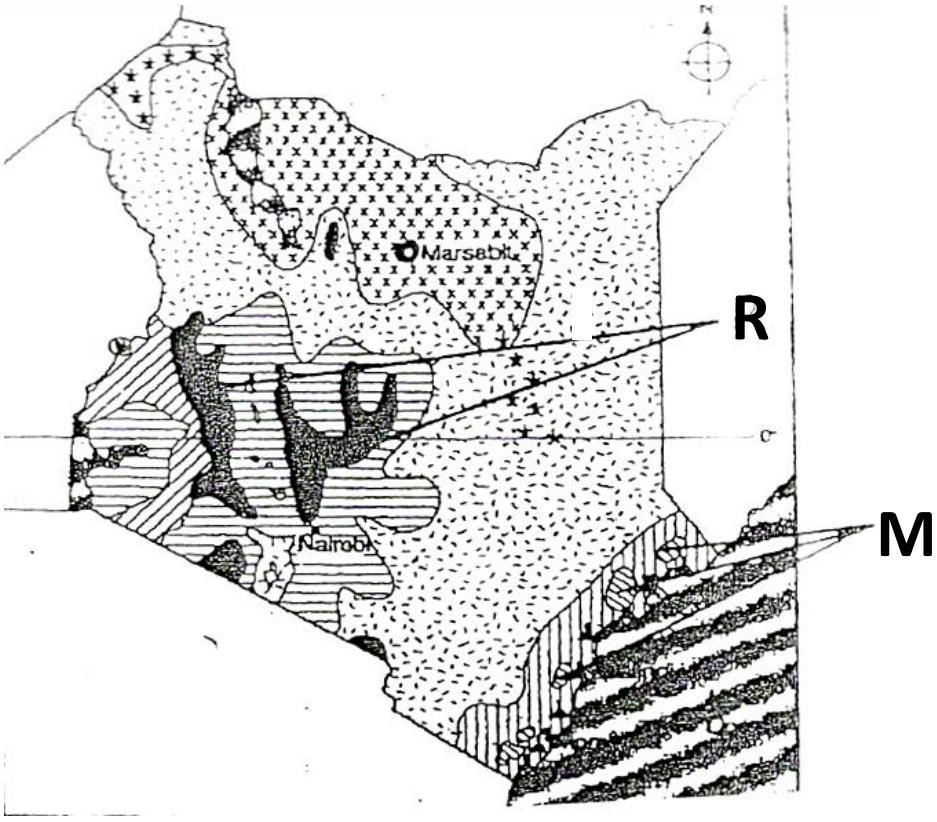
(d) (i) Explain **three** differences in which tourism in Kenya differ from Switzerland.

(ii) Your geography class carried out a field study in a game park.

- State **two** methods the class may have used to collect data. **(2mks)**
- During the field study the class collected data on the number of tourists visiting a game park. State **two** methods the class may have used to present the data.

9. (a) (i) differentiate between indigenous and exotic forests. **(2mks)**

(ii) The map below shows Kenya's forest Z**one**s. Study and use it to answer the questions that follow



Identify forests marked **M** and **R** **(2mks)**

(iii) State **three** factors that lead to depletion of forests in Kenya. **(3mks)**

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

(c) Compare forestry in Kenya and Canada under the following headings:

(i) Distinction of forests **(2mks)**

(ii) Mode of exploitation **(2mks)**

(iii) Transport **(2mks)**

(d) (i) State **three** factors favouring the development of softwood forests in Canada. **(3mks)**

(ii) Give **three** measures used to conserve forests in Kenya. **(3mks**

10. (a) (i) Give **four** factors common to Kenya and the Netherlands that have favoured horticultural farming **(4mks)**

(ii) State **three** features of Horticultural farming in the Netherlands. **(3mks)**

(b) The table below shows the quality and value of Kenya's horticultural exports between June 2008 and June 2009. Use it to answer questions **(b)**

Month	**Quantity (Metric tonnes)**	**Value (ksh in millions)**
June 2008	15,300	3,480
July	15,600	3,900
August	14,000	4,000
September	14,900	3,500
October	15,600	4000
November	14,700	4,020
December	14,000	4,000
January 2009	15,900	4,700
February	16,000	4,100
March	17,500	4,400
April	14,900	3,700
May	15,190	3,800
June	14,600	3,600

(i) What was Kenya's total value of exports from Horticulture between June 2008 and June 2009? **(2mks)**

(ii) Comment on the trend of the quantity of Kenya's horticultural exports between June 2008 and 2009.

(iii) Using the data provided, draw a simple line graph to represent the quantity of Kenya's horticultural export.

Use a vertical scale of 1 cm to represent 500 metric t**one**s **(5mks)**

(c) Explain **four** difficulties that farmers in Kenya experience in marketing horticulture. **(8mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 6 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

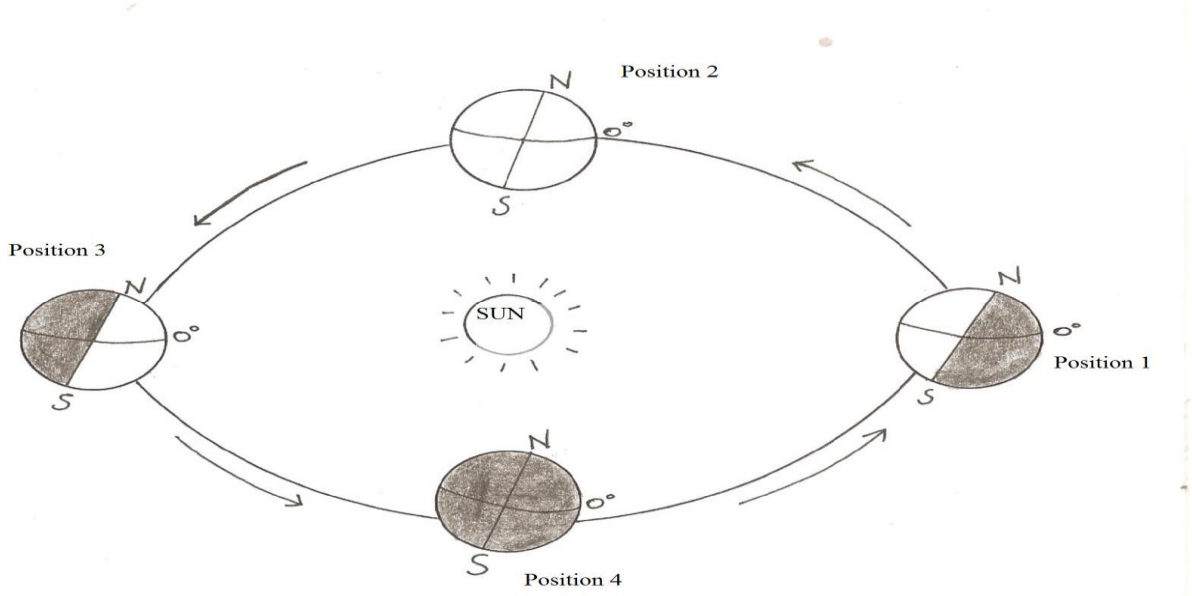
b) ***Sign** and write **date** of examination in the spaces provided.*

SECTION A

Answer all questions in this section

1. **(a)** State two effects of the rotation of the earth **(2mks)**

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



(c) Which movement of the earth is represented by the diagram **(1mk)**

(d) Give two effects of the movement represented by the diagram **(2mks)**

2. (a) What is a metamorphic rock? **(2mks)**

(b) Complete the table below **(3mks)**

Original rock	**Through metamorphism changes to:**
clay	
sandstone	
limestone	

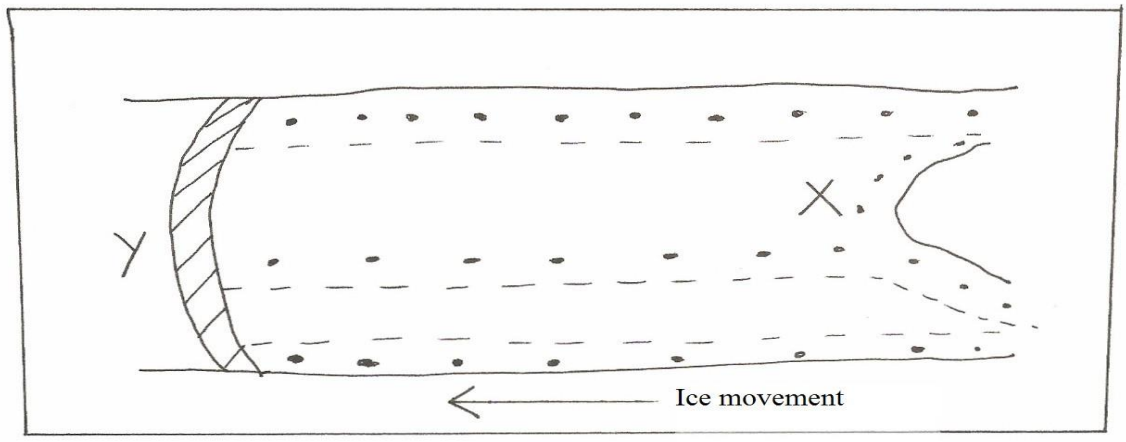
3. (a) Name 2 major types of earth movement that occurs within the earth crust **(2mks)**

(b) State 3 ways in which the earth's crust is affected by earthquakes **(3mks)**

4. **(a)** Name the three classes of soils based on historical development **(3mks)**

(b) What is soil pH? **(2mks)**

5. Use the diagram below to answer question **(a)** and **(b)**



(a) Name the type of movement marked X and Y **(2mks)**

(b) Explain how the moraine marked Y is formed **(3mks)**

SECTION B

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

6. Study the map of Nkubu (1:50000) sheet 122/1 provided and answer the following questions

(a) Name two man-made features found in grid square 5886. **(2mks)**

(b) **(i)** Describe the distribution of the population at the area enclosed by Easting 56 and 60 and to the South of northing 90. **(2mks)**

(ii) State three factors that are likely to have influenced the distribution of the population of the area covered by the map **(3mks)**

(c) **(i)** What was the direction of the school at Mutiokarina from the trigonometrical station at the grid square 5689? **(2mks)**

(ii) Citing evidence from the map explain four factors that may have led to the growth of Kanyakine market **(8mks)**

(d) (i) Sketch the area bordered by Eastings 40 and 45 and Northing 83 and 90 in the same length and width as it appears on the map indicating the four figure grid reference for each corner **(4mks)**

(ii) On the sketch map mark and label the following features:

- Thunguru hills forest **(1mk)**
- Dry weather road **(1mk)**
- Marungurune school **(1mk)**
- Kithangari church **(1mk)**

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

(b) **(i)** With the aid and of well-labelled diagrams, explain has tensional forces can lead to

the formation of a Rift Valley **(7mks)**

(ii) Give two examples of escarpments in East African **(2mks)**

(c) Explain four ways in which feature resulting from faulting are of economic importance **(4mks)**

(d) You intend to carry out a field study on the landforms resulting either near your school or somewhere else

(i) State two objectives of such a study **(2mks)**

(ii) State two hypothesis for the study **(2mks)**

(iii) State two methods you would use to record the information you would collect **(2mks)**

(iv) What problems are likely to be faced during such a study **(3mks)**

8. **(a)** **(i)** Define natural vegetation **(1mk)**

(ii) State four characteristics of national vegetation found in tropical rain forests **(4mks)**

(b) Explain four ways in which vegetation found in arid areas adapts to environmental conditions of the region **(8mks)**

(c) Write the names of the grasslands found in the following areas (3mks)

(i) East Africa

(ii) Canada

(iii) Argentina

(d) **(i)** Give two reasons why Tundra region has scanty vegetation **(2mks)**

(ii) State two topographical factors that influence vegetation distribution **(2mks)**

(e) State five economic importance of vegetation **(5mks)**

9. **(a)** What is a river capture? **(2mks)**

(b) State four ways in which a river transport the load **(4mks)**

(c) Explain how each of the following factors determine the volume of run-off **(2mks)**

(i) Amount and duration of rain fall **(2mks)**

(ii) Vegetation cover **(2mks)**

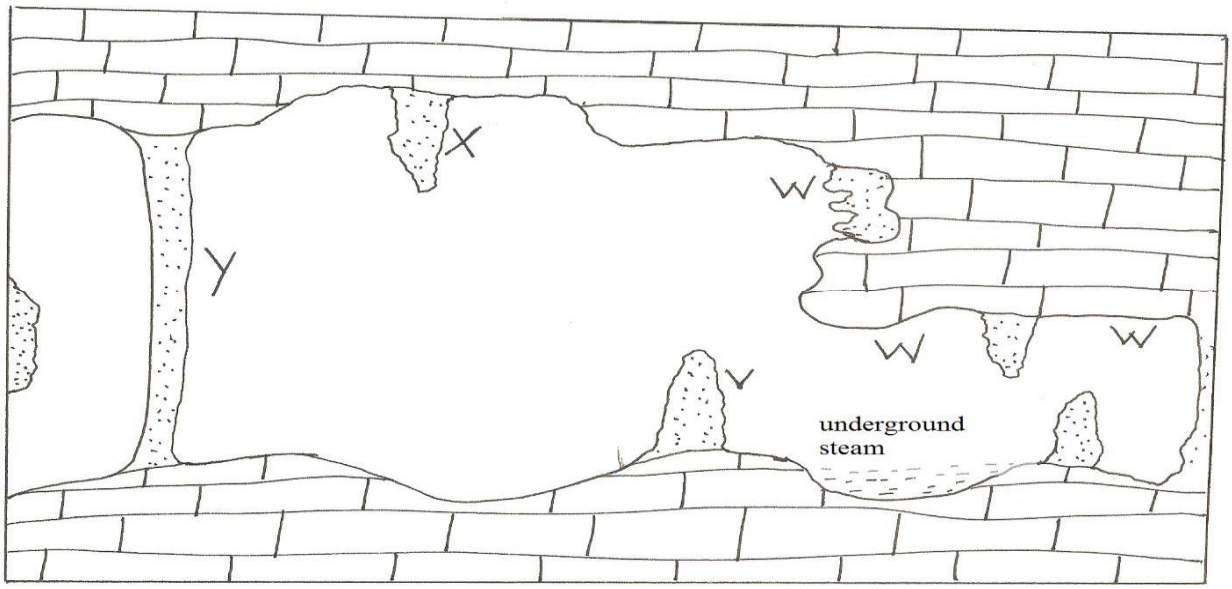
(iii) Permeability of the ground **(2mks)**

(d) A form 4 geography class is planning to carry out a field study of a water fall near their school.

(i) State nine ways in which they would prepare for the study **(9mks)**

(ii) Give four methods they would use to collect information at the water fall **(4mks)**

10. The diagram below represents underground features in a limestone area. Use it to answer question



(a) (i) Name the features marked X, V and W **(3mks)**

(ii) Describe how the feature marked Y is formed **(6mks)**

(b) **(i)** What is an artesian basin **(2mks)**

(ii) Explain 3 factors which influence the formation of features in limestone areas **(6mks)**

(c) You are supposed to carry out a field study of an area eroded by water

(i) Give 3 reasons why you would need a map of the area of study **(3mks)**

(ii) Name 2 erosional features you are likely to identify during the field study **(2mks)**

(iii) State three recommendations that you would make from your study to assist the local community to rehabilitate the eroded area **(3mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 6 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1. **(a)** Name two exotic species of tree planted in Kenya **(2mks)**

(b) State 3 reasons why it is necessary to carry out afforestation programmer in Kenya **(3mks)**

2. **(a)** Give 3 physical condition that favours maize cultivation in Trans Nzoia District in Kenya **(3mks)**

(b) State 2 problems facing maize farming in Kenya **(2mks)**

3. State 4 characteristic of shifting cultivation **(4mks)**

4. (a) Differetiate between land reclamation and land rehabilitation **(2mks)**

(b) State two ways in which each of the following problems experienced at the Mwea Irrigation scheme can be solved.

(i) Low prices of rice **(2mks)**

(ii) Inducting water levels in the irrigation canals **(2mks)**

(c) Outline the stages through which land is reclaimed from the sea in the Netherlands **(3mks)**

5. List 2 factors that have contributed to the success of car and electronic industry in Japan

(2mks)

SECTION B

Answer question 6 and any two questions in this section

6. The table below shows maize production in some selected districts in Eastern Province Use it to answer question **6(a)**

District	**Total output(Production in tonnes).**
Embu Mwala Nzani Meru Machakos Makueni	2200 2100 5300 3300 2200 2700
TOTAL	17800

(a) **(i)** Draw a divided rectangle 15cm.Long to represent the above information **(8mks)**

(b) State three disadvantages of using divided rectangles to represent geographical data

(3mks)

(c) Name two districts where maize is grown in large scale in Kenya **(2mks)**

(d) Explain four human requirements which have to be considered in maize growing areas

(8mks)

(d) State four problems facing maize farming in Kenya **(4mks)**

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

(ii) State three effects of open-cast mining on the environment **(3mks)**

(b) Describe how deep-shaft mining is carried out **(4mks)**

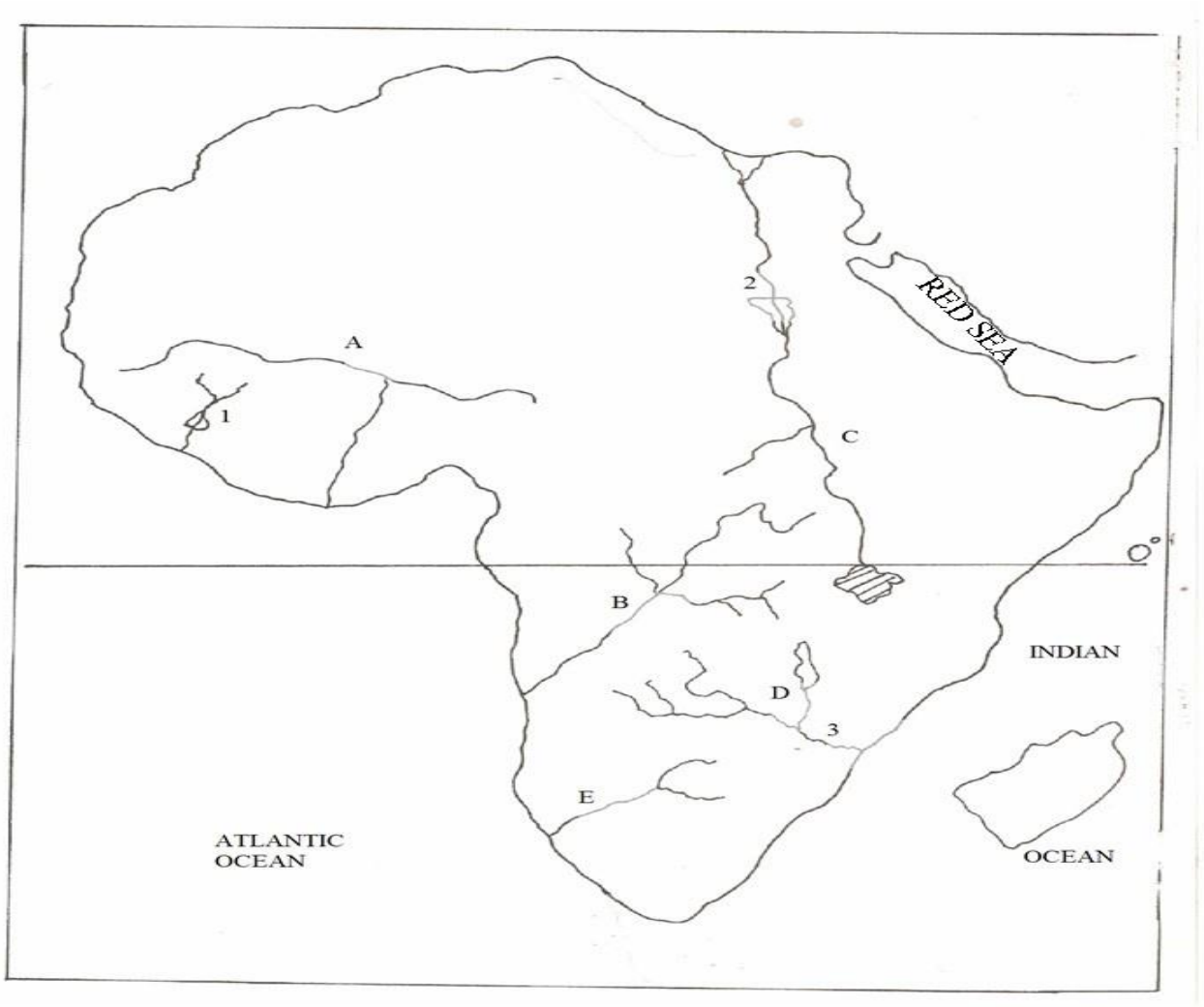
(c) Explain four factors that effect the formation of soda ash. **(8mks)**

(d) Explain four problems facing the mining industry in Kenya **(8mks)**

8. The map below show some of Africa's river which have been tammed to produce hydro-electric power.

(a) On the map:

(i) Name the five river marked **(5mks)**



(ii) Mark of name the following dams:Akosombo dam,cabora Bossa dam and Aswan high dam **(4mks)**

(c) **(i)** Describe the benefits of Kariba dam to the people of countries in which the dam is Situated **(3mks)**

(ii) Describe the other benefits gained by building the dam **(4mks)**

(d) **(i)** What is the main source of energy in Algeria and Libya **(1mk)**

(ii) Name two other African countries that produce the source of energy named in **(a)** above **(2mks)**

(e) Explain three problems that face Kenya in her search and development of energy resources **(6mks)**

9. **(a)** **(i)** What is population census? **(1mk)**

(ii) Give two reasons why a country carrier out a census **(2mks)**

(iii) Explain three factors that have contributed to high population growth in Kenya **(6mks)**

(b) Explain why a high population growth rate in Kenya is likely to slow down economic development in the country **(8mks)**

(c) Describe the population structure of Kenya and Sweden **(8mks)**

10. **(a)** Distinguish between environmental management and environmental conservation **(2mks)**

(b) Explain four reasons why it is necessary to conserve the environment in Kenya **(8mks)**

(c) **(i)** Explain three environmental effects of the destruction of Mau forest **(6mks)**

(ii) State four measures that the government may undertake to solve the problems facing Mau forests **(4mks)**

(d) Suppose students from your school visited Budalangi area which is prone to flooding

(i) Give two problems they are likely to experience while in the field **(2mks)**

(ii) Suggest three recommendations that they would make to the government to control flooding in Budalangi **(3mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 7 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1. **a)** List two types of igneous rocks based on rock depth. **(2 marks)**

b) State two economic uses of rocks today. **(3 marks)**

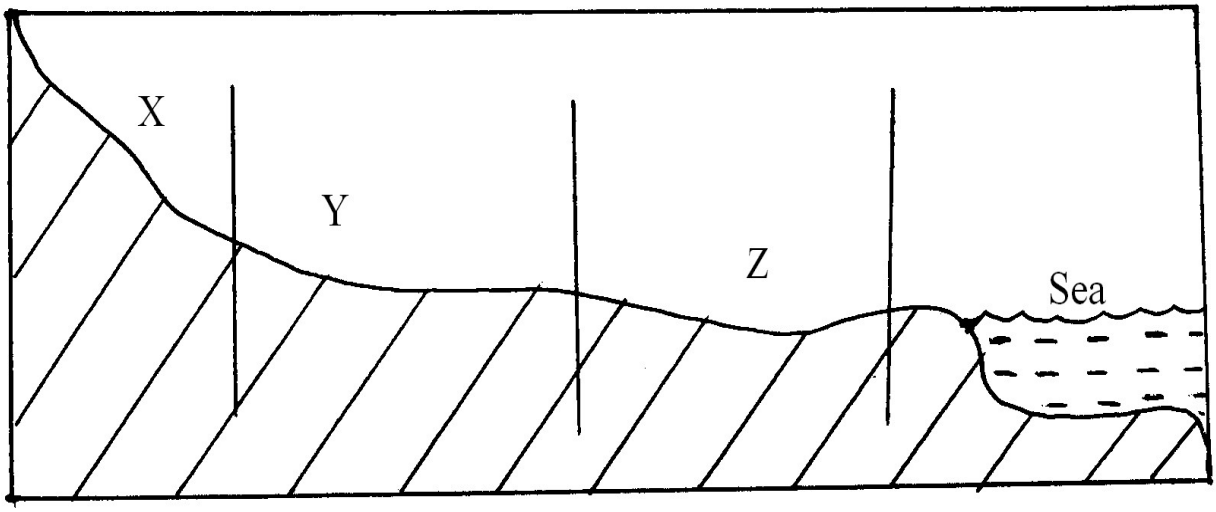
2. **a)** Briefly state why warm air cools as it rises. **(2 marks)**

b) State three different ways in which air may be made to rise. **(3 marks)**

3. **a)** Name two local winds. **(2 marks)**

b) State three factors influencing wind blow. **(3 marks)**

4. The diagram below shows the longitudinal profile of a river. Study it and answer questions **(a)** and **(b)** below

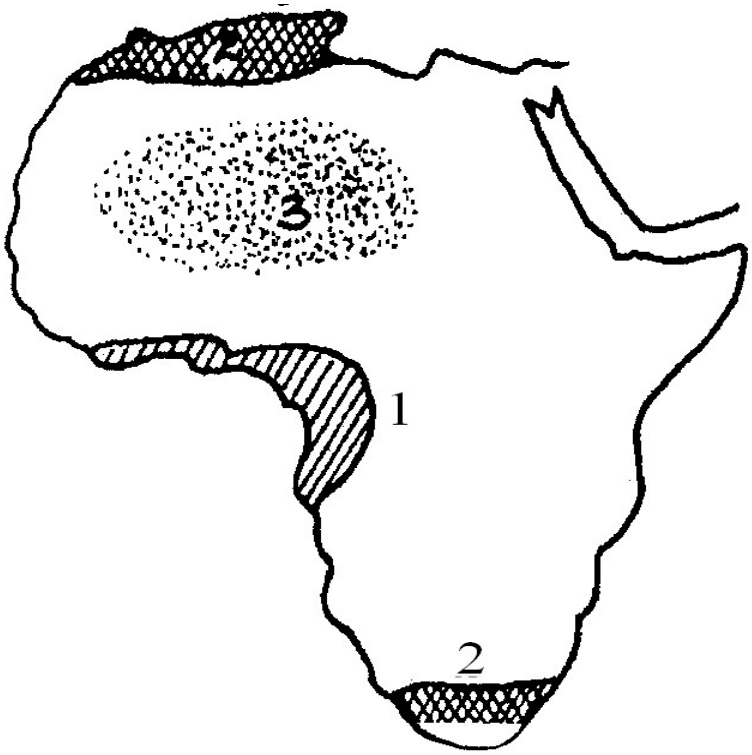


a) Sketch the respective river valleys for each of the sections of the river marked X, Y and Z

(3 marks)

b) Give two factors that may interrupt the long profile of a river. **(2 marks)**

5. Study the map of Africa provided and answer the questions that follow.



a) Name the climatic regions marked 1,2 and 3. **(3 marks)**

b) Give two characteristics of climate marked 3. **(2 marks)**

SECTION B

Answer question 6 and ANY other TWO questions from this section

6. Study the map of **Nkubu1:50,000 sheet 122/1** provided and answer the following questions.

a) **i)** What type of map is Nkubu sheet? **(1mark)**

ii) What was the magnetic declination of the map at the time of its publication? **(2 marks)**

iii) Give three man made features found in grid square 5382. **(3 marks)**

b) **i)** Give the six figure grid reference for the trigonometric station other (122 U225) **(2 marks)**

ii) Citing evidence from the map, name three economic activities in the area covered by the map**.** **(3 marks)**

iii) Measure the distance of the lose surface road, from grid reference52920 to the eastern end. Give your answer in kilometers. **(2 marks)**

c) Draw a rectangle measuring 12 cm by 8 cm enclosing the area to the south of northing 86 and to the west of easting 45. On it mark and name: **(6 marks)**

i) Dry weather road ii) Thuguri hill forest iii) Lake Frimbene

d) Students from Mwalimu Publishers boys carried out a field study on the relationship between climate and vegetation in the area covered by the map.

i) List two methods they used to present their findings. **(2 marks)**

ii) Name two ways in which they described the vegetation. **(2 marks)**

iii) Mention two ways in which their findings would be useful to the local community. **(2 marks)**

7. **a)** **i)** Name two wind erosional features. **(2 mrks)**

ii) State three factors that influences wind transportation in arid areas. **(3 marks)**

b) Using a well labeled diagram, describe how the following features are formed.

i) Mushroom block **(5 marks)**

ii) Zeugen **(5 marks)**

c) Explain three ways through which wind erodes in deserts. **(6 marks)**

d) Suppose you are to carry out a field study on semi-arid areas in Kenya.

i) Give two secondary sources of information you would use to prepare for the field study. **(2 marks)**

ii) What information would you collect through observation that would indicate that area is turning into a desert. **(2 marks**

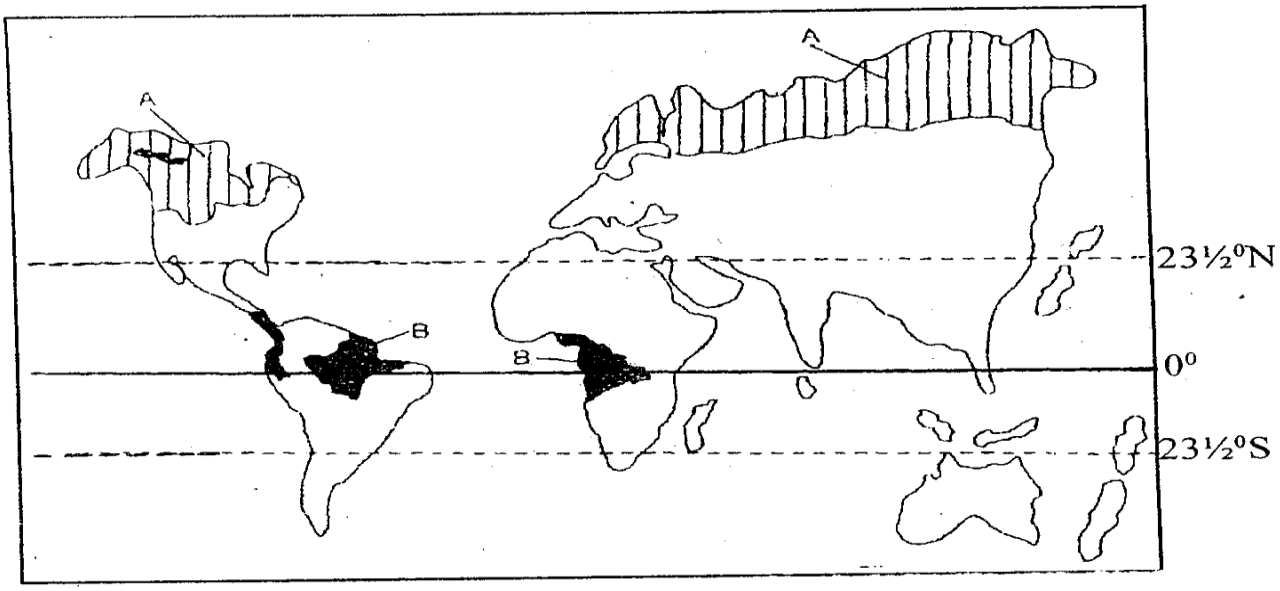
8. **a)** **i)** State two species of exotic softwood varieties growing in Kenyan forests **(2 mks)**

ii) State three reasons why hardwood forest cover is shrinking at a threatening rate in Kenya? **(3 mark**

b) **i)** Explain three problems hindering the full exploitation of forest reserve in Africa. **(6 marks)**

ii) Give a comparison between lumbering in Kenya and Canada. **(4 marks)**

c) The world map given below shows the distribution of natural forests in the world.



i) Identify the natural forests labeled A and B. **(2 marks)**

ii) Describe the characteristics of the forest marked A**.** **(4 marks)**

d) Describe two measures which are being taken to conserve and manage forests in Kenya **(4 marks)**

9. **a)** **i)** What is piedmont glacier. **(2 marks)**

ii) State two conditions that favour the formation of glacier. **(2 marks)**

iii) Name two mountains in Africa that permanent glacier exist. **(2 marks)**

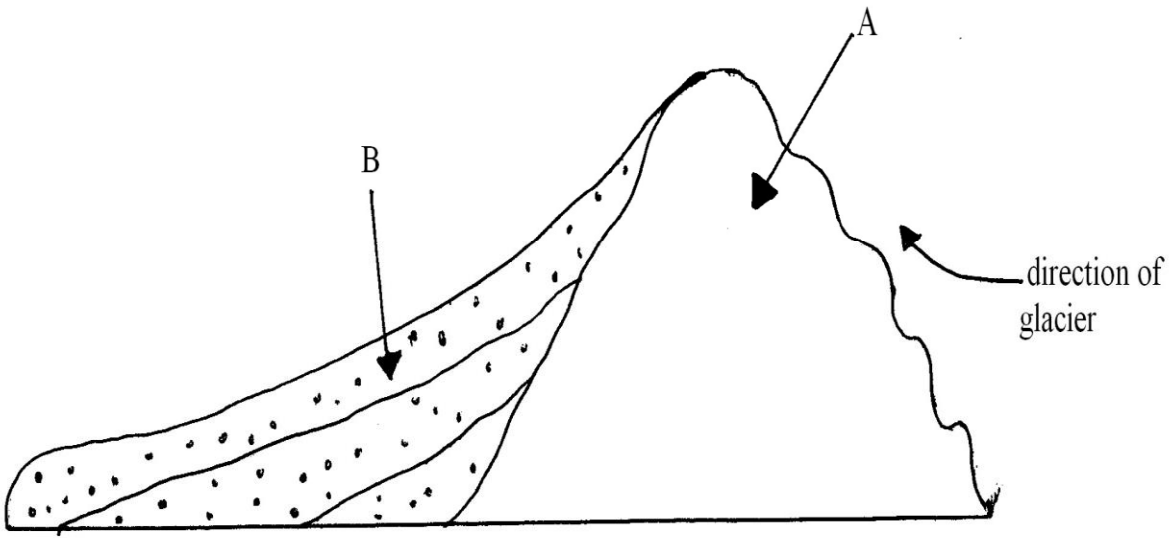
b) Explain the following ways of the movement:

i) Basal slip **(2 marks)**

ii) Extrusion flow **(2 marks)**

c) Explain two conditions necessary for glacier deposition to take place in lowlands **(4 marks)**

d) Study the diagram below and answer the following questions.



i) Name the feature drawn above. **(1 mark)**

ii) Name the parts marked A and B. **(2 marks)**

iii) State two characteristics of the feature above. **(2 marks)**

iv) Give three depositional features of glaciations in lowland areas. **(3 marks)**

e) State three negative effects of glaciations on the physical environment. **(3 marks)**

10. **a)** What is a cool coast. **(2 marks)**

b) State three conditions necessary for the coral formation. **(3 marks)**

c)Explain the formation of the following coastal features, draw simple diagram to show them.

i) Blow hole **(3 marks)**

ii) Tombolo **(3 marks)**

d) **i)** Describe how waves re formed. **(3 marks)**

ii) List the two types of waves. **(2 marks)**

iii) Using a diagram describe how a fringing reef is formed. **(4 marks)**

e) Students of Shimo la Tewa did a field study on effects of coastal depositional features on Kenya.

i) Mention two methods they might have used to collect data in the field**.** **(2 marks)**

ii) State three positive effects of coastal features they would have studied. **(3 marks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 7 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

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

b) Mention THREE factors that have favoured horticulture industry in Kenya. **(3 marks)**

2. **a)** Name TWO methods of mining that are used to extract diamond In South Africa.**(2 mks)**

b) Mention THREE uses of diamond. **(3 marks)**

3. **a)** State THEE problems that face trading in Kenya. **(3 marks)**

b) Outline THREE problems that trading blocs face in Africa**.** **(3 marks)**

4. Use the table below to answer the questions that follow.

DISTRICT	NO OF PEOPLE	AREA(KM^2)	DENSITY
A	600,500	32,000	19 PEOPLE/KM^2
B	1,025,000	14,000	
C	1,517,000	36,000	42 PEOPLE/KM^2
D	?	17,000	72 PEOPLE/KM^2

a) **i)** Give population density foe District B. (1 mark) ii) What is the total number of people living in district D**.** **(1 mark)**

b) **i)** Country B recorded 30 births and 10 deaths in a population of 1000. Calculate population growth rate of country X. **(2 marks)**

ii) What do you understand by "Young population" **(2 marks)**

5. **a)** Define land dereliction. **(1 mark)**

b) Give one reason why land dereliction occurs**.** **(1 mark)**

c) Give TWO effects of land dereliction. **(2 marks)**

SECTION B

Answer question SIX and any other TWO questions in this section.

6. a) Study the table given below and answer the questions that follow.

TEA AND WHEAT PRODUCTION IN MILLION TONNES IN KENYA BETWEEN 1999-2003

CROP	1999	2000	2001	2002	2003
WHEAT	55.4	73.8	81.5	60.1	64.4
TEA	94.9	91.0	113.0	111.0	113.0

i) Construct a comparative bar graph to present the data above. (Use 1cm:10 million tones). **(6 marks)**

ii) State TWO advantages of using comparative bar graphs. **(2 marks)**

iii) Comment on the trend of wheat production over the period. **(2 marks)**

b) State FOUR physical conditions that favour wheat farming in Kenya. **(4 marks)**

c) i) Describe how oil palm is processed in Nigeria**.** **(6 marks)**

ii) State FIVE uses of palm oil. **(5 marks)**

7. a) i) List three types of fish communities. **(3 marks)**

ii) Give three methods used in commercial fishing. **(3 marks)**

b) Give FOUR differences between fishing in Kenya and fishing in Japan. **(4 marks)**

c) State FOUR reasons why fresh water fishing is more popular in East Africa than marine fishing. **(4 marks)**

d) State FIVE causes of fish depletion in East Africa. **(6 marks)**

e) State FOUR measures taken to conserve and manage fishery resources. **(4 marks)**

8. a) i) Define the term wildlife. **(1 mark)**

ii) Give three reasons why game reserves and game parks are mostly located in marginal areas. **(3 marks)**

b) i) Explain three problems that hinder wildlife conservation in Kenya **(6 marks)**

ii) Give FIVVE measures the government has taken in wildlife conservation in Kenya **(5 marks)**

c) i) State FIVE reasons why some regions in Kenya have low developed tourism **(4 mks)**

ii) Give FIVE measures the Kenya Government is putting in place to develop tourism. **(5 marks)**

9. **a)** **i)** Mention three trans-continental highways in Africa. **(3 marks)**

ii) State FIVE benefits of trans-African highway to the countries it passes through. **(5 marks)**

b) **i)** Give FIVE disadvantages of railway transport. **(5 marks)**

ii) State FIVE reasons for the popularity of road transport in Kenya. **(5 marks)**

c) **i)** List the names of the two countries in which St. Lawrence sea-way is found. **(2 marks)**

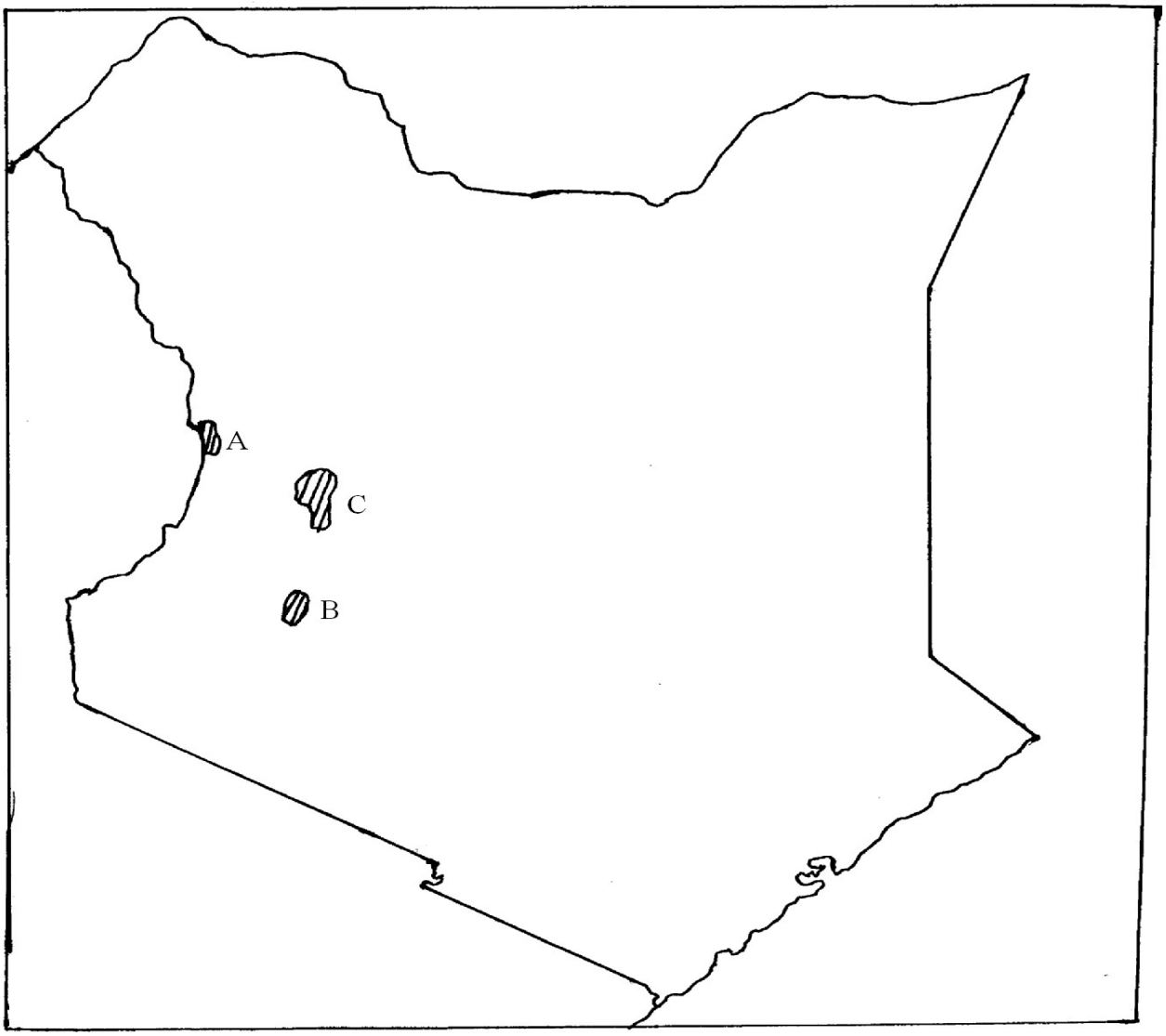
ii) Give FIVE benefits of St. Lawrence sea-way to the countries in which they are found. **(5 marks)**

10. **a)** **i)** define the term forestry. **(1 mark)**

ii) Give three differences between natural forest and planted forests. **(3 marks)**

b) Explain FOUR causes of forest depletion in Kenya today. **(8 marks)**

c) **i)** From the map below, give the names of the forests marked A, B ad C



ii) State FOUR measures that are being undertaken by the Kenya Government to conserve forests. **(4 marks)**

d) Explain THREE factors favouring the exploitation of softwoods in Canada**.(6 marks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 8 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

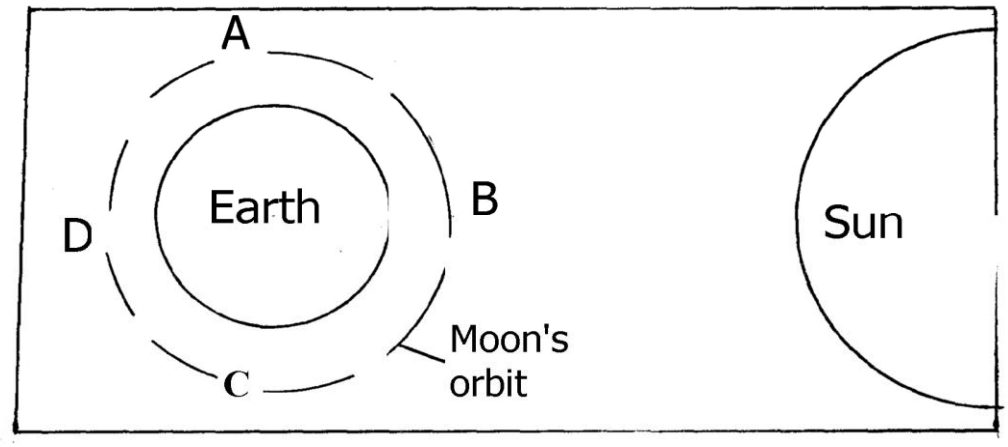
SECTION A

Answer all questions in this section

1. **a)** List any two branches of physical Geography . **(2mks)**

b) Mention any **three** practical skills acquired through studying Geography as a subject.

2. The diagram below shown the sun, earth and the orbit of the moon round the earth. Study it and answer the questions that follow.



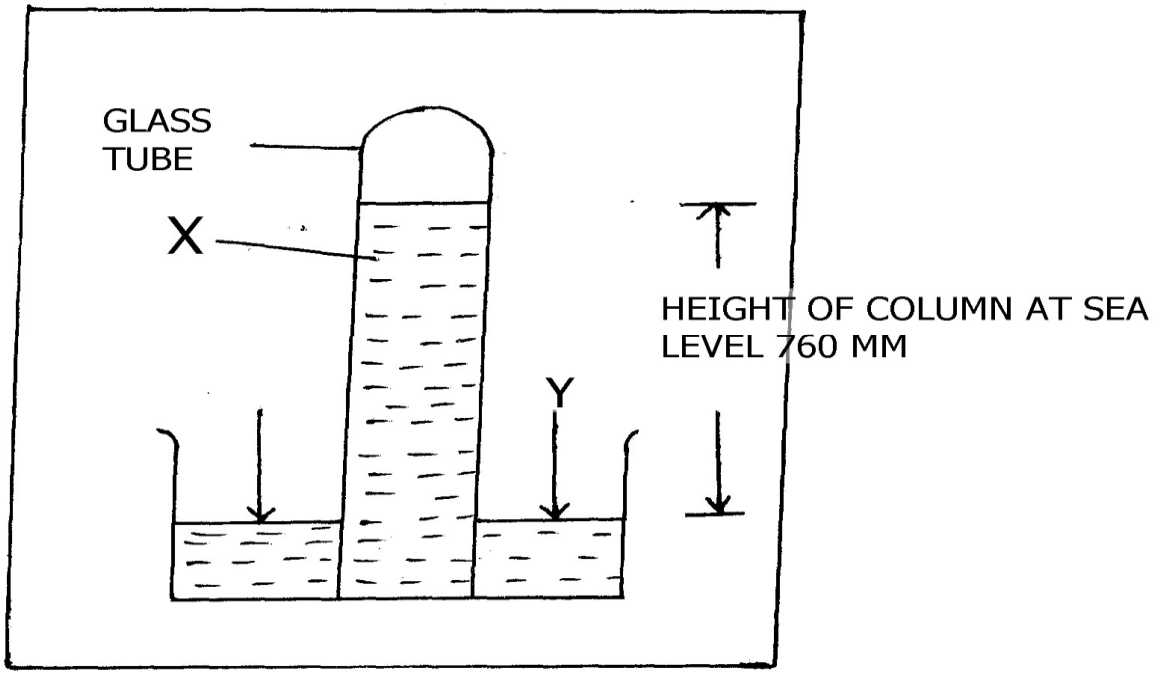
a) At what position is the moon likely to be for :

i) Solar eclipse to occur **(1mk)**

ii) Lunar eclipse to occur **(1mk)**

b) If the local time at longitude 120^0E is 3.00 p.m. What will be the local time at longitude 165°E.

3. The instrument below is used to measure an element of weather. Study it and answer the questions below.



a) i) Name the liquid marked X **(1mk)**

ii) Identify the instrument shown above **(1mk)**

b) Describe how the instrument above works. **(3mks)**

4. **a)** Explain briefly how the following factors influence vegetation distribution

i) Aspect

ii) Precipitation

b) Give three reasons why natural grasslands are declining in Kenya

5. **a)** Apart from Rift Valley, name any other two resultant features of faulting

b) List any two types of faults

SECTION B

Answer question 6 and any other two from this section

6. Study the map of ***Nkubu (1 : 50, 000)*** sheet 122 / 1 provided and use it to answer the question that follow.

a) **i)** Convert the scale of the map into statement scale . **(2mks)**

ii) What is the approximate height of swamp to the north East of the area covered by the map.

iii) Using the marginal information give the magnetic variation of the area when the map extract was drawn.

b) **i)** Give two types of natural vegetation found to the East of Easting 55

ii) Measure the length of the section of all weather road(bound surface) from the junction in grid square 5095 to where if ends at the edge of the map extract to the north. Give your answer in Kilometres

iii) What is the bearing of Kithare coffee factory at grid square 5594 from the quarry at grid square 5899.

c) **i)** Using a scale of 1cm : 20m, draw a cross section from Easting 55 to the extreme end of the map along Northing 95. On it mark and label

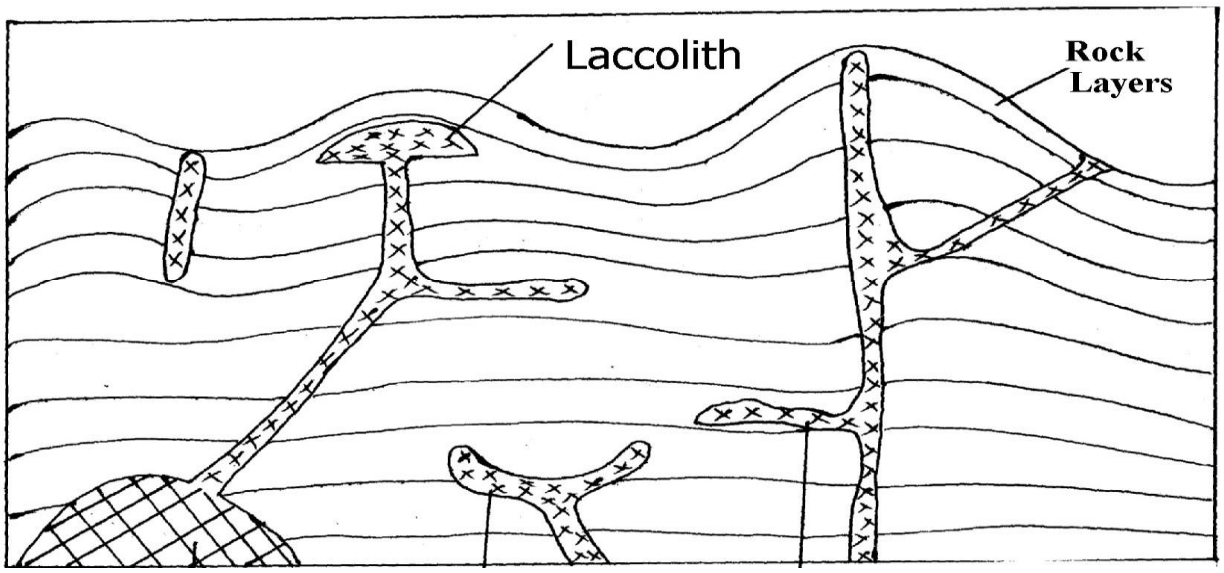
- a river
- Dry weather road
- Dip slope

ii) Calculate the vertical exaggeration of the cross section above

d) Describe the relief of the area covered by the map

7. **a)** Differentiate between magma and lava. **(2mks)**

b) The diagram below shows intrusive volcano features



i) Name the features marked

F **(1mk)**

G **(1mk)**

Y **(1mk)**

iii) Describe how hot springs are formed, givenyary one example of hot spring in

Kenya. **(6mks)**

c) Explain four negative influences of volcanic features on human activities

d) Form two students from **Moi Girls** Secondary school carried out field study on volcanic rock around their school.

i) Give three reasons why it is necessary to rock samples during such a field study

ii) State three problems they are likely to experience during this study

8. a) Distinguish between mass wasting aid mass movement

b) i) List any two types of slow mass wasting other soil creep

ii) Outline three evidence of soil creep

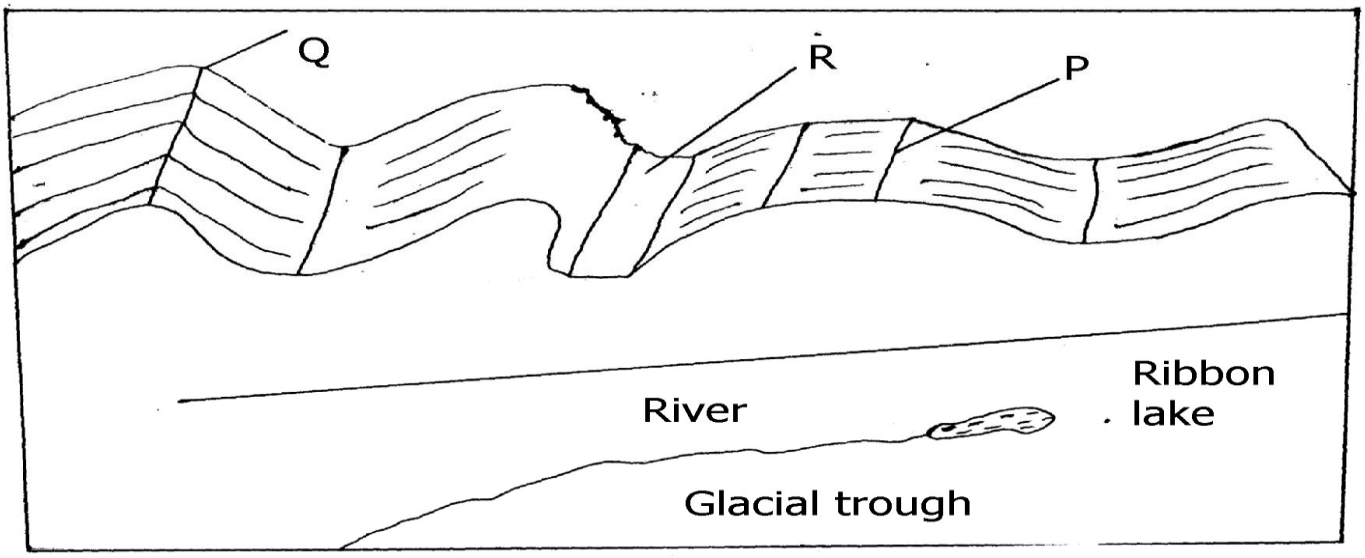
iii) With the aid of a well labelled diagram explain how river capture occurs

c) **i)** State three causes of river rejuvenation

ii) Identify two features formed as a result of river rejuvenation

d) Explain four wars in which human activity have affected rivers in Kenya

9. The diagram below shows a glaciated upland



a) Name the features marked P,Q and R

b) Describe how the following features are formed

i) U –shaped valley

ii) A fjord

c) i) Distinguish between a valley glacier and ice sheet

ii) Name any four features resulting from glacial deposition in lowlands

d) i) Form four students of manor House Academy carried out fieldwork on glaciation mount Kenya.

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

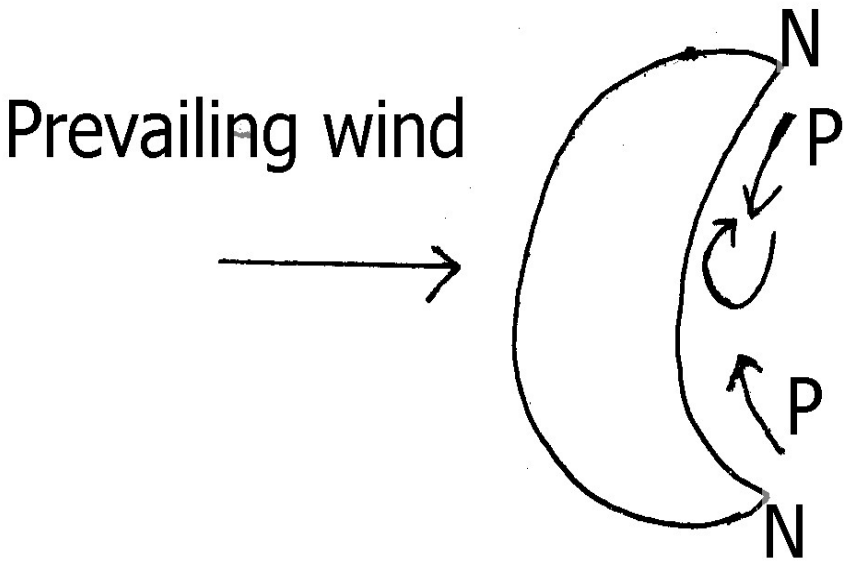
ii) Give three reasons why they need a route map. **(3mks)**

e) Outline five significance of upland glaciated features to human activities **(5mks)**

10. a) i) State three processes of wind erosion in desert areas

ii) Name four features resulting from wind erosion in desert areas

b) The diagram below shows a feature formed as a result of wind deposition in desert areas



i) Identify the feature above

ii) The part labelled N

iii) The air current marked P iv) State three conditions that are necessary For the above feature to be formed

c) i) Name any three features of karst landscape. **(3mks)**

ii) Give reasons why there are few settlements the karst landscape area

d) Outline five significance of arid landforms

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 8 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

QUESTIONS

SECTION A

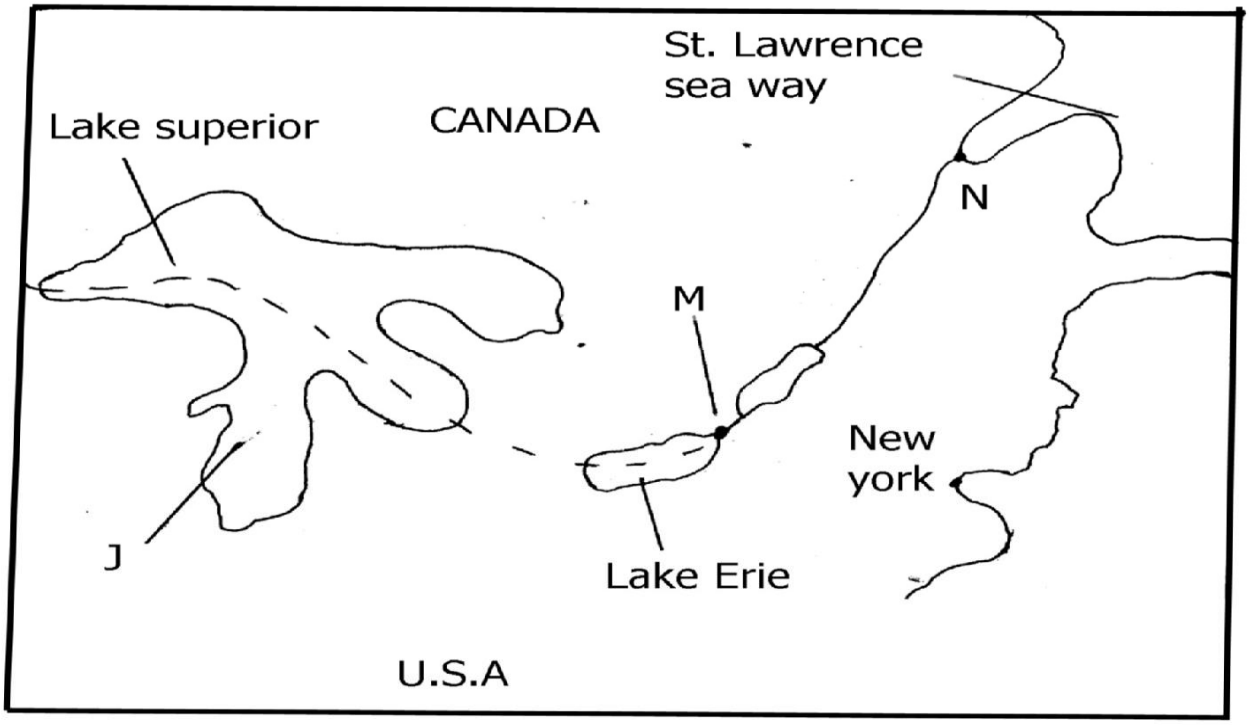
Answer all questions in this section

1. **a)** Apart from soda ash, list any two minerals mined in Kenya **(2mks)**

b) Give three contribution of mineral to the Kenya's economy. **(3mks)**

2. **a)** Name any two modes of transport **(2mks)**

b) Study the sketch map of the Great lakes and St Lawrence seaway and use it to answer the question that follow.



Name

i) The Port marked N **(1mk)**

ii) The water falls marked M **(1mk)**

iii) The lake marked **J** **(1mk)**

3. **a)** Define the term animal sanctuary. **(2mks)**

b) Name any three marine parks in Kenya. **(3mks)**

4. **a)** List any two human induced environmental hazard **(2mks)**

b) State any three effects of lightening **(3mks)**

5. **a)** Name two type of trade **(2mks)**

b) Give i.e three factors that inhibit trade between Kenya and her neighbours. **(3mks)**

SECTION B

Answer question 6 and any other two questions in this section

6. Study the data in the following table and answer the questions that follow.

Crop/year	Unmilled wheat	Maize	Rice	Wheat flour
2000	6989	4664	1968	180
2001	7515	3342	2619	636
2002	5577	229	2104	237
2003	6099	1417	2981	168
2004	6754	4647	3659	200

a) i) calculate the percentage increase in expenditure on importation of wheat flour between 2003 aid 2004. **(2mks)**

ii) Draw a comparative bar graph to represent the data in the table above

iii) State any two advantages of using comparative bargraphs. **(2mks)**

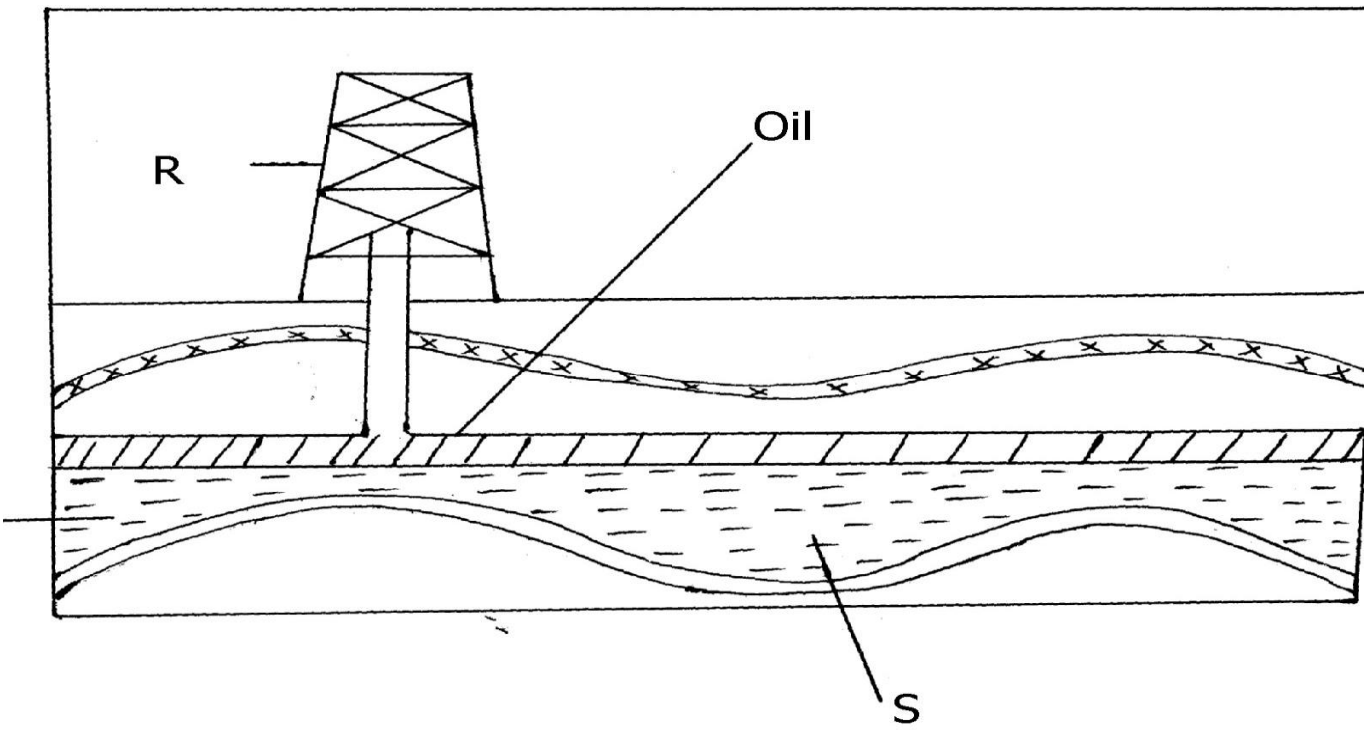
b) **i)** Name three main Tea growing areas found to the west of Rift valley in Kenya. **(3mks)**

ii) Describe the process of picking Tea **(4mks)**

c) Explain any three ways in which Kenya Tea Development Authority assist small scale farmers. **(6mks)**

7. **a)** **i)** Differentiate between renewable and non – renewable sources of energy.

ii) The diagram below shows the occurrence of oil on the earth surface.Use it to answer the questions that follow.



Name

i) The rock layer marked **Q** **(1mk)**

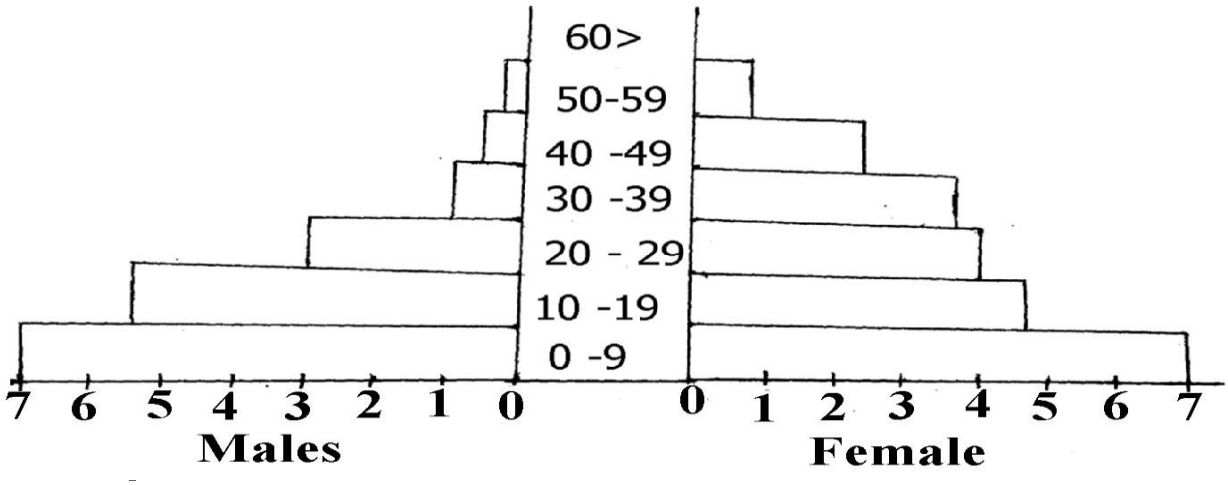
ii) The structure marked **R** **(1mk)**

iii) The product marked **S** **(1mk)**

b) **i)** State any four factors hindering expansion of geothermal power in Kenya **(4mks)**

ii) Explain four physical factors that influence location of hydro electric power stations. **(8mks)**

c) Explain any four benefits that would result from rural electrification in Kenya. **(8mks)**



a) **i)** Mention the type of graph above

ii) Name the type of country whose population is presented by the graph above.

iii) Describe five characteristics of the population shown above. **(5mks)**

b) State any four problems resulting from high population growth rate

c) Describe four measures that have been taken in Kenya to reduce infant mortality **(8mks)**

d) Explain any three factors that have led to high population density around lake Victoria basin.

9. **a)** What is industrialization **(2mks)**

b) **i)** State any three benefits of decentralizing industry in Kenya **(3mks)**

ii) Explain three problems hindering decentralization of industries in Kenya. **(6mks)**

c) **i)** Name any three industrial towns in Kenya. **(3mks)**

ii) Explain any three factors which have favoured development of electronic industry in Japan.

d) State any five characteristics of cottage industrialist**.** **(5mks)**

10. a) i) Distinguish between fishing and fisheries**.** **(2mks)**

ii) Apart from fish, name two other aquatic animals harvested in oceans and seas. **(2mks)**

b) **i)** Give three traditional methods of fishing in Kenya

ii) Describe how drifting method is used in catching fish **(6mks)**

c) Give three reasons for widespread fresh water fishing in East Africa. **(3mks)**

d) i) Outline three reasons for the declining world fish harvest. **(3mks)**

ii) Explain any three significance of fish farming to the economy of Kenya **(6mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 9 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1. **a)** Give the name of the force responsible for the:

i) Flattening at the poles of the earth. **(1 mark)**

ii) Bulging at the equator. **(1 mark)**

iii) Rounding shape of the earth. **(1 mark)**

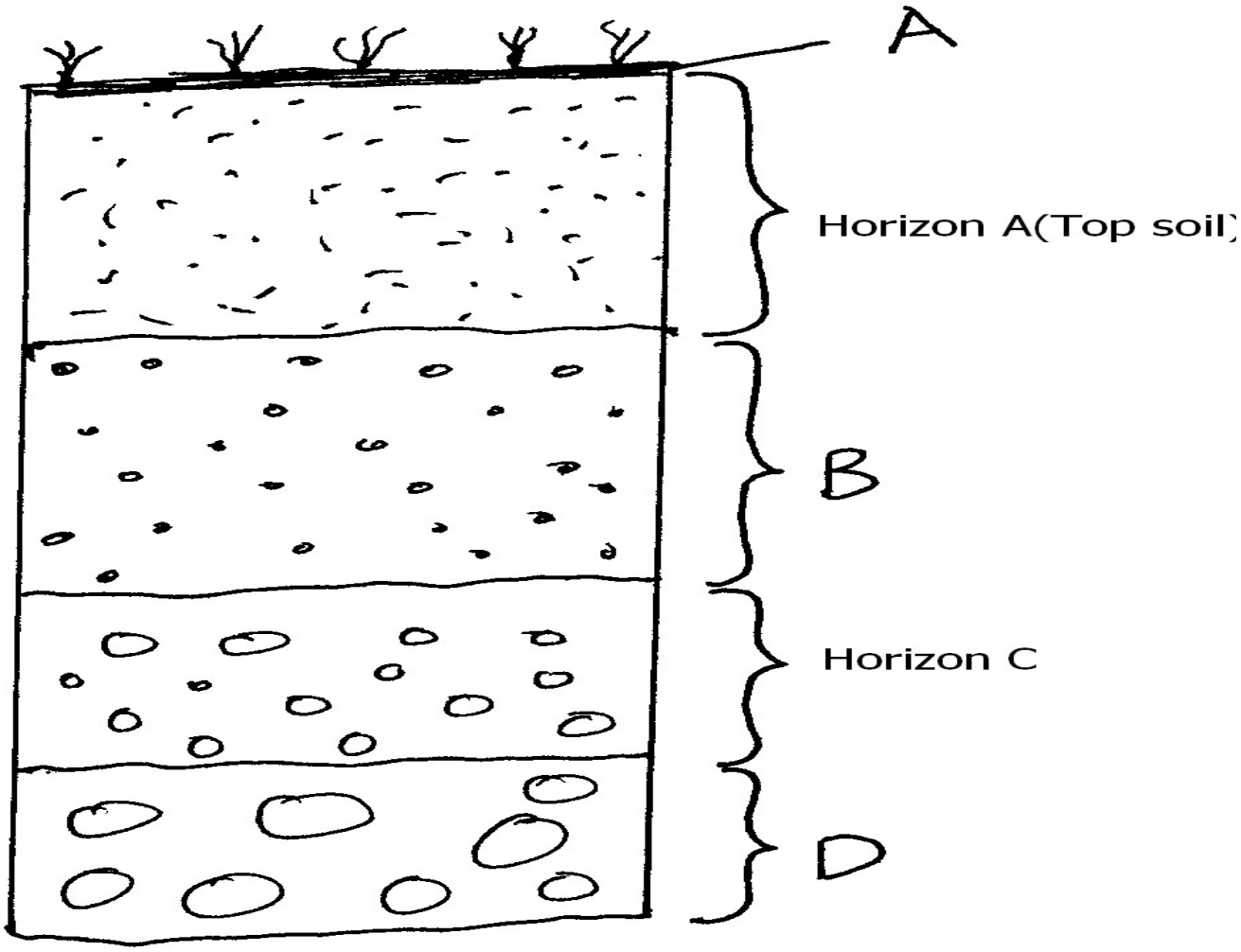
b) Highlight two reasons why the interior of the earth is still very hot. **(2 marks)**

2. **a)** What do you understand by the term green house effect? **(2 marks)**

b) Give two reasons why some weather recording instruments are stored inside a Stevenson screen. **(2 marks)**

c) Name an instrument kept in Stevenson screen. **(1 mark)**

3. a) Differentiate between eluviations and salination in soil. (2 marks) b)



Study the diagram above and name the parts marked

A **(1 mark)**

B **(1 mark)**

C **(1 mark)**

4. a) Define the term weathering. **(2 marks)**

b) State three chemical weathering processes. **(3 marks)**

5. a) What is an artesian basin? **(2 marks)**

b) State three conditions that favour the location of the artesian well. **(3 marks)**

SECTION B

Answer question six and any other two questions

6. **a) i)** Give the four and six figure grid reference of cattle dip near Nkuene school **(1 mark)**

ii) What is the bearing of the air photo principal point near Kagwa mpungu from Kieru coffee factory? **(2 marks)**

iii) In reference to the marginal information given in the map, what was the magnetic variation in the year 1977? **(2 marks)**

b) **i)** Describe the settlement in the area covered by the map. **(3 marks)**

ii) Citing evidence from the map, explain three factors that have favoured coffee farming in Nkubu area. **(6 marks)**

c) **i)** Using a vertical scale of 1 cm draw a cross section from grid reference 378905 to grid 429942. **(5 marks)**

ii) On the cross section draw, mark and name the following.

- A hill **(1 mark)**
- Secondary trigonometric station **(1 mark)**
- A loose surface road. **(1 mark)**

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

7. **a)** **i)** What is a desert? **(2 marks)**

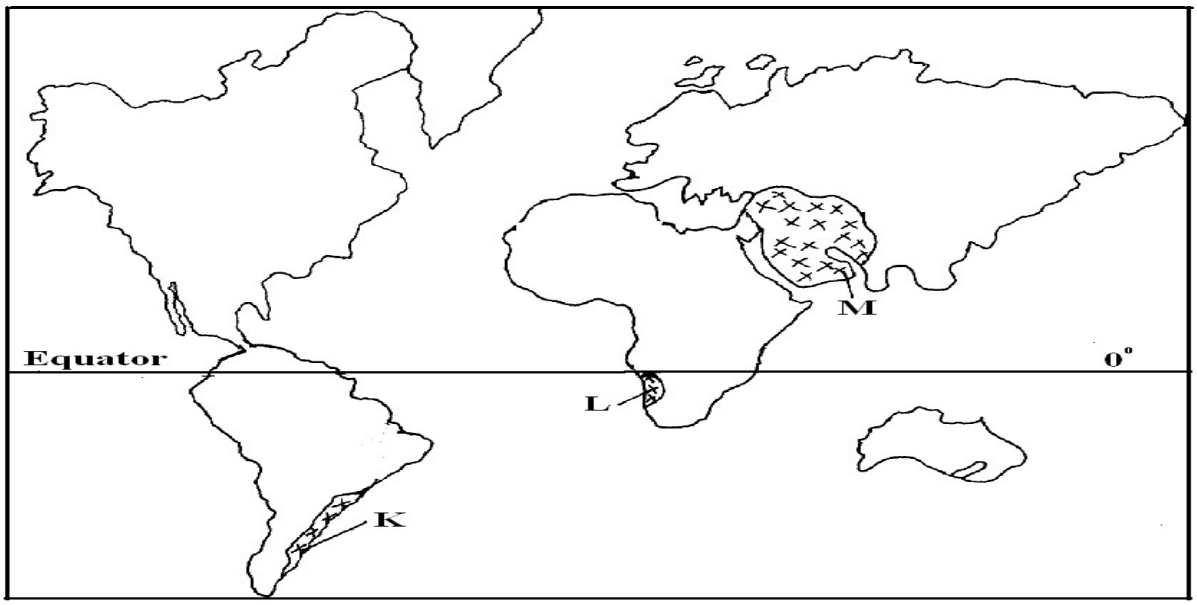
ii) State three characteristics of desert landforms. **(3 marks)**

iii) State three factors that contributed to the development of deserts. **(3 marks)**

b) **i)** Explain three factors that influence wind deposition in desert. **(6 marks)**

ii) State three ways in which wind erosion take place in deserts. **(3 marks)**

c) Use the map below to answer the following questions.



Name the desert marked K, L and M. **(3 marks**

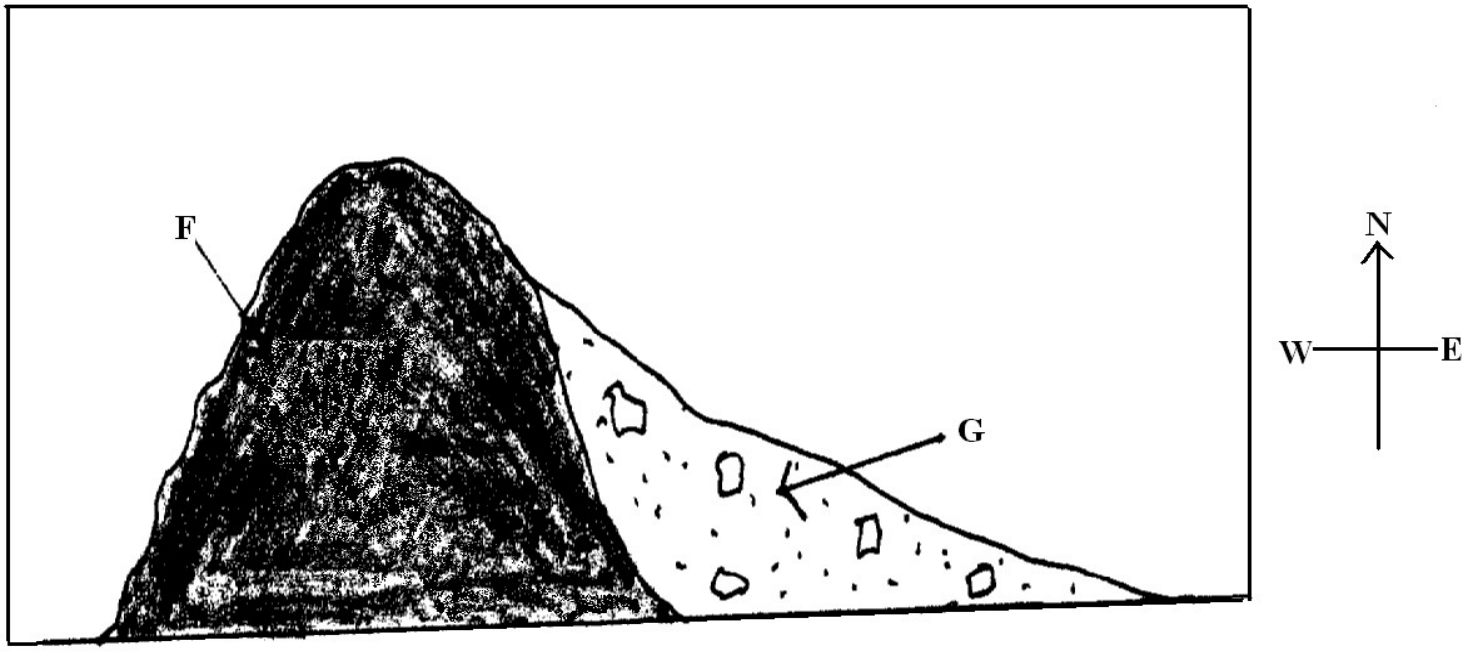
8. a) i) Differentiate between an ice cap and an iceberg. **(2 marks)**

ii) Account for lack of ice sheets in Kenya. **(2 marks)**

iiii) Explain three factors that influence glacial erosion in highlands. **(6 marks)**

b) Describe how an arête is formed**.** **(4 marks)**

c) The diagram below is a glacial feature in lowland.



i) What is the direction of the ice? (1 mark)

ii) Name the pats F and G. **(2 marks)**

d) Form 3 students of a school in Kenya intend to carry out a field study on glaciations.

i) Suggest two possible areas of study they would visit in their country**.(2 marks)**

ii) State three ways in which they would prepare for the study**. (3 marks)**

iii) What problems are they likely to encounter in this kind of study?

(3 marks)

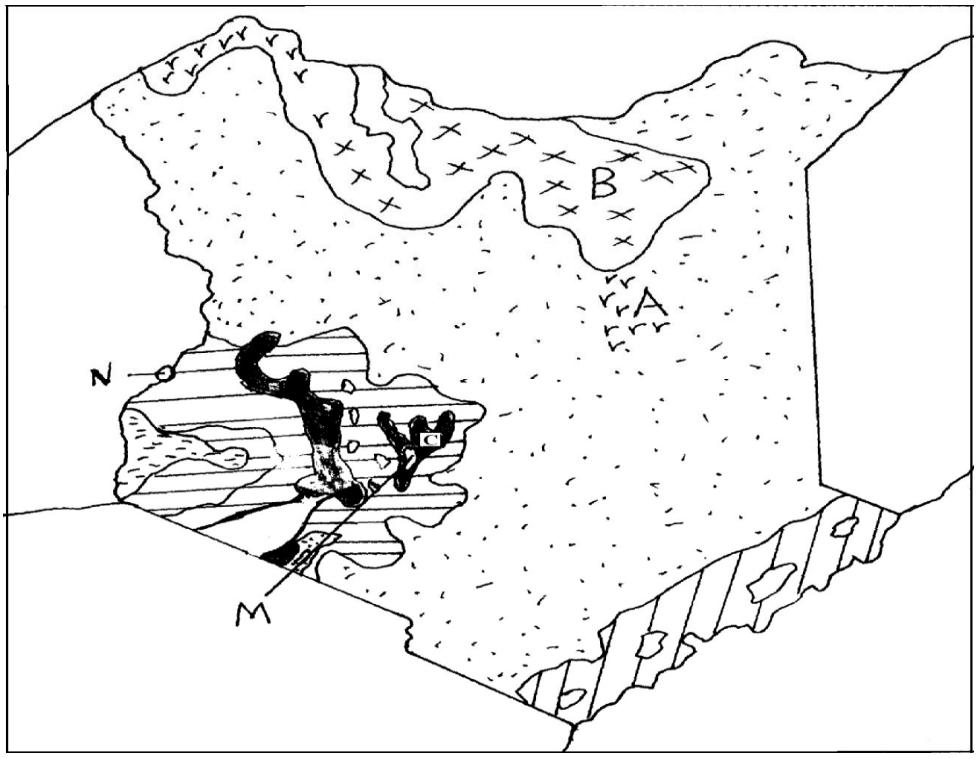
9. a) i) Differentiate between derived vegetation and natural vegetation. **(2 marks)**

ii) Explain three ways in which human activities have influenced distribution of vegetation in Kenya. **(6 marks)**

b) Name the temperate grasslands found in the following countries:

- Canada **(1 mark)**
- South Africa **(1 mark)**
- Argentina **(1 mark)**
- Australia **(1 mark)**

c) Study the map below and answer the following questions:



i) Name the vegetation zones B and C. **(2 marks)**

ii) Highlight four characteristics of the vegetation type marked A**.** **(4 marks)**

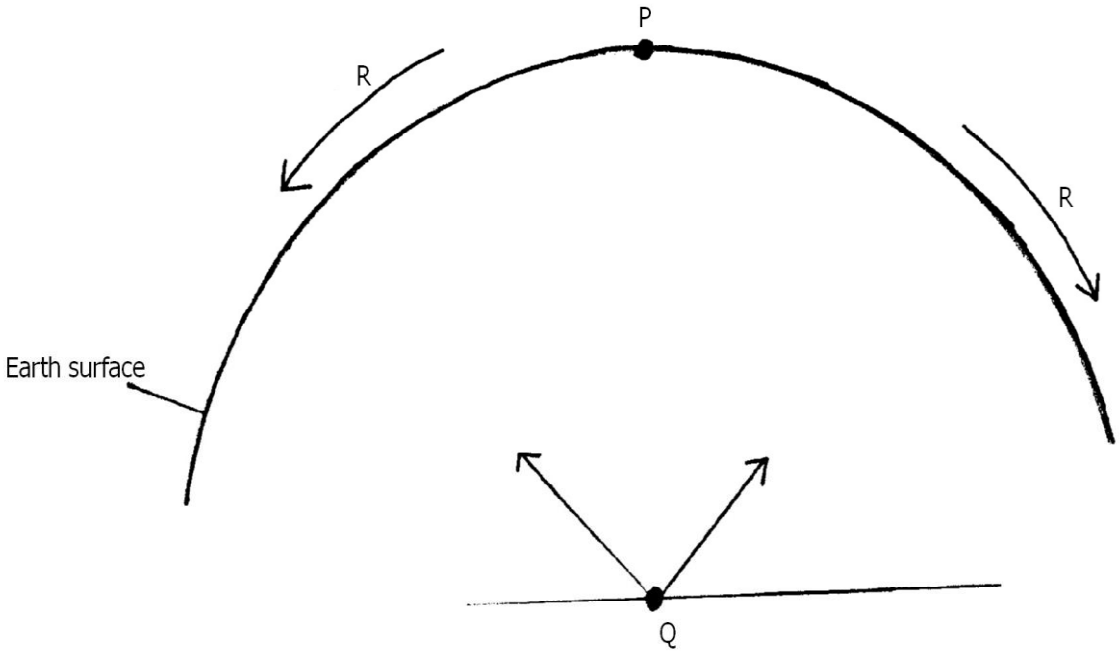
d) You are supposed to carry out a field study on the uses of vegetation around your school.

i) Give three reasons why reconnaissance is necessary. **(3 marks)**

ii) Give four uses of vegetation you are likely to identify during the study**.(4 marks)**

10. a) i) Define the term tsunami. **(2 marks)**

ii) The diagram below shows the mechanisms of earthquakes



Name the parts labeled P, Q and R. **(3 marks)**

b) i) Using illustrations, describe three types of earthquakes waves. **(9 marks)**

ii) Explain four proofs that the crust is in constant movement. **(8 marks)**

c) State three ways in which the earth's crust is affected by the earthquakes. **(3 marks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 9 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1. **a)** Name a mineral which occurs in the following places in East Africa.

i) Kwale in Kenya. **(1 mark)**

ii) Kilembe in Kenya. **(1 mark)**

b) State three conditions that are necessary for the formation of petroleum. **(3 marks)**

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

b) State three causes of the decline of the letter writing as a means of communication in Kenya. **(3 marks)**

3. **a)** Outline three physical conditions that favor the cultivation of sugarcane. **(3 marks)**

b) State two uses of the by-products of sugarcane. **(2 marks)**

4. **a)** State two methods of reclaiming land in Kenya. **(2 marks)**

b) Give three benefits of land reclamation in the Netherlands. **(3 marks)**

5. **a)** Name three major commodities that Kenya imports. **(3 marks)**

b) Distinguish between internal and international trade. **(2 marks)**

SECTION B

Answer question six and any other two questions

6. The table below shows hypothetical figures of crops grown in Rift Valley province of Kenya in tones. Use it to answer the questions that follow.

Year / Crop	1999	2000	2001
Tea	25	20	35
Coffee	15	15	15
Maize	10	20	25
Bea n s	5	7	18
Total			

a) **i)** Using a scale of 1 centimetre represents 10 tonnes represent the above data using a compound bar graph. **(8 marks)**

ii) Apart from the compound bar graph, give other two methods that can be used to represent the above data. **(2 marks)**

c) **i)** Which three conclusions can be drawn from the compound bar graph drawn. **(3 marks)**

ii) Give any two advantages of using a compound bar graph. **(2 marks)**

c) **i)** Outline four similarities between dairy farming in Kenya and Denmark. **(4 marks)**

ii) Identify four features of commercial farming in Kenya. **(4 marks)**

d) Name two dairy cattle kept in Kenya. **(2 marks)**

7. **a)** **i)** Name two major fishing grounds of the world. **(2 marks)**

ii) List two methods of preserving fish in Kenya. **(2 marks)**

b) Explain four factors that favour fishing industry in the northern hemisphere(temperate lands) **(4 marks)**

c) i) Describe four measures that African countries have undertaken to promote the growth and development of fishing industries. **(4 marks)**

ii) Give three reasons why most African countries support international law that limit

temporal waters of each countries to a distance of 320 Km. **(3 marks)**

d) Describe how trawling method is used in fishing. **(6 marks)**

8. **a)** **i)** Define the term population. **(1 mark)**

ii) Give two primary sources of population data. **(2 marks)**

iii) Give the information that can be derived from a population pyramid. **(3 marks)**

b) Explain three factors that influence population distribution in East Africa. **(6 marks)**

c) i) What is fertility rate in reference to population? **(2 marks)**

ii) State four factors that may have led to reduction in fertility rate in Kenya. **(4 marks)**

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

9. a) i) What is an environmental hazards? **(2 marks)**

ii) Apart from floods name four other environmental hazards. **(4 marks)**

b) Give four reasons why we need to manage and conserve the environment. **(4 marks)**

c) i) Explain three effects of land population on the environment. **(6 marks)**

ii) Outline five measures that may be used to combat population. **(5 marks)**

d) State four ways in which people are affected by floods. **(4 marks)**

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

ii) Give two reasons why some industries are located near the sources of raw materials. **(2 marks)**

iii) In which towns of Kenya are the following industries located.

- Motor vehicle assembly
- Oil refinery
- Paper manufacturing **(3 marks)**

b) **i)** Give five characteristics of cottage industries in India. **(5 marks)**

ii) Explain four problems of industrialization in Kenya. **(8 marks)**

c) State five ways in which industrialization has benefited Kenya. **(5 marks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 10 PAPER 1

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

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

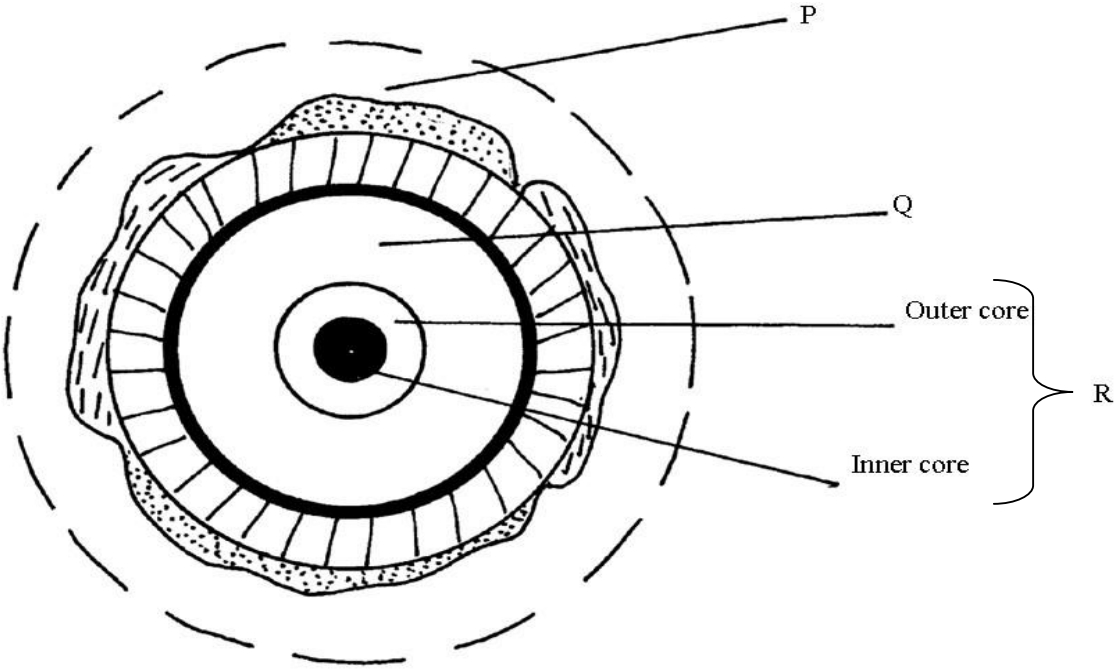
(b) State three factors which increase the process of Leaching in tropical soils. **(3mks)**

2. **(a)** Name the two major types of earth movements that occur within the earth's crust.

(2mks)

(b) Give three evidences to support the continental drift theory. **(3mks)**

3. **(a)** The diagram below represents the structure of the earth. Use it to answer questions **(a)**



(a) Name

(i) The parts marked P and Q. **(2mks)**

(ii) Give three characteristics of the part marked R. **(3mks)**

4. (a) Give two factors that influence the occurrence of underground water. **(2mks)**

(b) Describe how a doline is formed. **(2mks)**

5. (a) Give two physiographic factors that influence the distribution of vegetation. **(2mks)**

(b) State three characteristics of coniferous forests. **(3mks)**

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

(a) **(i)** Give the six–grid reference of the trigonometrical station at grid square5689 **(1mk)**

(ii) Using the marginal information, give the magnetic variation of the area as at January 1980. **(2mks)**

(iii) Measure the distance along the bound surface road from Meru (grid square 5099) to the junction at Nkubu (grid square 5193). **(2mks)**

(iv) What is the approximate height of Rurie swamp to the Northern part of the map. **(2mks)**

(c) Using a vertical scale of 1 cm to represent 100 metres

(i) Draw a cross – section from grid reference 379911 to452914. **(3mks)**

(ii) On the cross-section, mark and name

(i) Hill **(1mk)**

(ii) Main track **(1mk)**

(iii) River Kakamega **(1mk)**

(iv) Calculate the vertical Exaggeration for the cross-section. **(1mks)**

(v) **(i)** Explain two factors which have influenced the distribution of settlements in the area covered by the map. **(4mks)**

(ii) Citing evidence from the map, give two economic activities carried out in the area covered by the map. **(2mks)**

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

SECTION B

Answer TWO QUESTIONS FROM THIS SECTION

7. **(a)** **(i)** State three conditions that facilitate wind action in arid areas. **(3mks)**

(ii) Name three types of desert surfaces. **(3mks)**

(b) Explain three factors which influence wind transportation in deserts. **(6mks)**

(c) With the aid of diagrams explain how the following features are formed.

(i) Oasis **(4mks)**

(ii) Rock Pedestal **(4mks)**

(d) Mention five positive effects of desert features to the human environment. **(5mks)**

8. (a) (i) Define Karst scenery **(1mk)**

(ii) Differentiate between effluent and influent rivers. **(2mks)**

(b) Explain four factors influencing the occurrence of underground water. **(8mks)**

(c) (i) Give three conditions favouring the location of Artesian well. **(3mks)**

(d) Describe how Karst bridge is formed. **(4mks)**

(e) Students from a school in TransNzoia County carried out a field study on a Karst scenery.

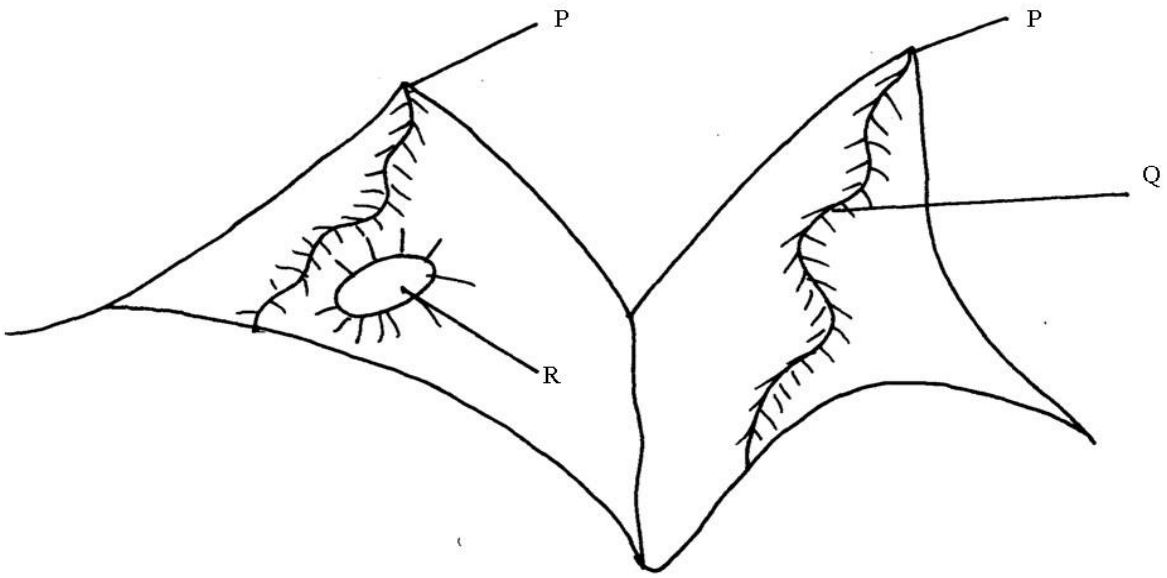
(i) Give three secondary sources of information they would use to collect data.(3mks)

(ii) Outline four economic uses of underground water. **(4mks)**

9. (a) (i) Name two distinct types of glaciers **(2mks)**

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

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



(i) Name the parts labeled P, Q and R. **(3mks)**

(ii) Explain the formation of the part marked Q

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

(d) Students from a school in **TransNzoia** County carried out a field study on Mt. Kenya.

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

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

10. (a) (i) Differentiate between a normal Fault and a reserved Fault. **(2mks)**

(ii) Name three forces involved in the process of faulting. **(3mks)**

(b) Apart from fault scarp, name three other features resulting from faulting. **(3mks)**

(c) With the aid of a well labelled diagrams explain how a fault scarp is formed. **(5mks)**

(d) Explain four significance of faulting to human activities. **(8mks)**

(e) Students from a School in TransNzoia County carried out a field study on a foulted Landscape.

(i) Give two reasons why there was need for a pre-visit of the area of study. **(2mks)**

(ii) Give two follow-up activities they carried out after the study. **(2mks)**

TOP SCHOOLS MOCKS

GEOGRAPHY

TRIAL 10 PAPER 2

TIME: 2 ½ HOURS

NAME…… INDEX NO……

SCHOOL…….. SIGN……..…

DATE……..

INSTRUCTIONS TO CANDIDATES.

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

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

SECTION A

Answer all questions in this section

1.	**(a)**	State three ways in which minerals occur	**(3 mks)**
	(b)	Name any two types of underground mining	**(2 mks)**
2.	**(a)**	What is a forest	**(1 mk)**
	(b)	State any two characteristics of the tropical hardwood forests.	**(2 mks)**
	(c)	State two main species of softwood trees mainly grown in Canada.	**(2 mks)**
3.	**(a)**	State one major characteristics of non-renewable energy sources.	
	(b)	Name any two non-renewable energy sources.	**(2mks)**
	(c)	State any two effects of charcoal burning in the environment.	**(2mks)**
4.	**(a)**	What is a trading bloc.	**(2mks)**
	(b)	State any three factors influencing trade.	**(3mks)**

5. **(a)** Nam e any two pre- historic sites that are popular with tourists in Kenya.

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

SECTION B

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

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

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

Note

Population in '000'people

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

(ii) Draw any two conclusion from the bar graph you have constructed. **(2mks)**

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

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

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

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

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

(b) Describe the steps involved in the processing of oil pal m from the time is harvested. **(8mks)**

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

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

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

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

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



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

(ii) Explain the solutions to any <u>four</u> problems facing Inland fishing in East Africa.

(8mks)

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

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

(i) Market. **(2mks)**

(ii) Nature of landscape. **(2mks)**

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

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

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

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

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

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

10 . (a) (i) What is an environmental hazard **(1mk)**

(ii) List any four environmental hazards that occur in different parts of world **(4mks)**

(b) Explain four reasons for the need of Environmental management and conservation.**(8mks)**

(c) Explain any four programmes and activities on environmental management and conservation which are being undertaken in Kenya. **(8mks)**

(d) Students from a school in Trans-Nzoia Country went out to carry a field study on environmental degradation in Kitale town.

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

(ii) State two methods they would used to analyse their data. **(2mks)**

THE END

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