KCSE 2025 CROSS-COUNTRY MOCKS

GEOGRAPHY

(KCSE TRIALS 1-10)

This compilation offers a systematically arranged assemblage of simulated assessments, specifically formulated for KCSE. Each assessment is meticulously crafted to align with the curriculum requirements, thereby offering students a thorough practice experience.

CONFIDENTIAL!

For Marking Schemes
Mr Isaboke 0746 222 000 / 0742 999 000

SUCCESS TO ALL CANDIDATES

KCSE 2025 CROSS-COUNTRY MOCKS

NATIONAL TRIAL 1

312/1

GEOGRAPHY

PAPER 1
TIME: 2¾ HOURS

NAME……………………………………………………………………………………

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Kenya Certificate of Secondary Education.

INSTRUCTIONS TO CANDIDATES

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- *In section **B**, answer **questions 6** and any other **TWO** questions.*
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FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 - 5	25	
B	6	25	
		25	
		25	

KCSE Predictions Marking Schemes - 0746 222 000 / 0742 999 000
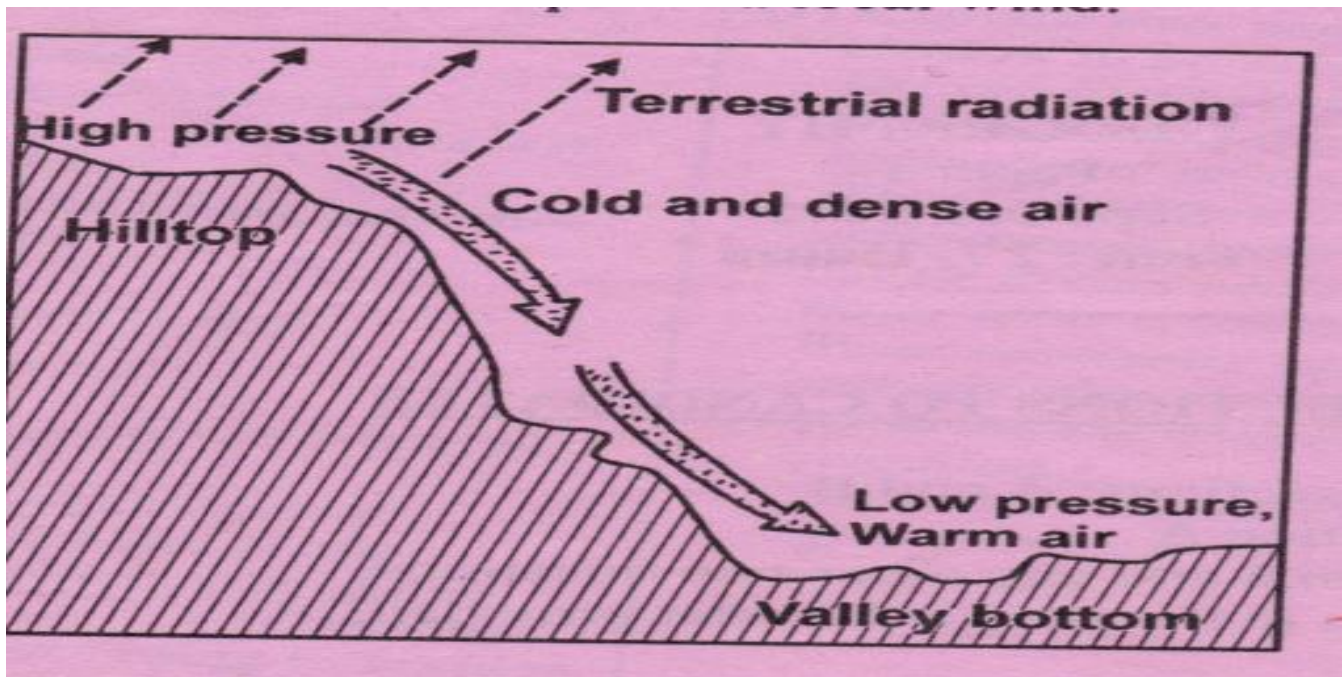
SECTION A

Answer all questions in this section

1. a) **Name** the biggest planet in the solar system.   **(1mk)**

b) **State three** characteristics of the core.   **(3mks)**

2. a) **Define** the following terms.

i. Dew point   **(1mk)**

ii. Temperature inversion   **(1mk)**

b) Identify **three** sources of carbon dioxide in the atmosphere.   **(3marks)**

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

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

4. The diagram below shows a an example of a local wind

a) Identify the local wind   **.**   **(1mk)**

b) Describe how the wind is formed.   **(4mks)**

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

b) State **three** conditions that favour the formation of artesian walls.   **(3mks)**

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

6. (a) Study the map of Tambach **1:50 000 (sheet 90/3)** provided and answer the Following questions.

(i) Name *three* human features found in grid square 8260. **(3 marks)**

(ii) Measure the length of all-weather road loose surface C 51from the junction near the mining camp to the southern edge of the map. Give your answer in Kilometers. **(2 marks)**

(iii) Convert the map scale into a statement scale? **(2 marks)**

(iv) Give **two** ways through which relief has been represented in the area covered by the map. **(2 marks)**

(c) Draw a square 15cm by 10cm to represent the area enclosed by easting 78 and 95 and northing 60 and 70. **(1 mark)**

On it mark and label the following features.

(i) River Kerio. **(1 mark)**

(ii) Lake Kamnorok. **(1 mark)**

(iii) Seasonal swamp. **(1 mark)**

(iv Tambach Municipality **(1 mark)**

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

(ii) Citing evidence from the map, state *five* functions of Tambach town. **(5 marks)**

7. a) i) What is fog. **(2mks)**

ii) State **two** conditions necessary for the formation of fog. **(2mks)**

b) i) With the aid of a labeled diagram, **describe** how relief rainfall is formed. **(7mks)**

c) Use the map of Africa below to answer the questions that follows.
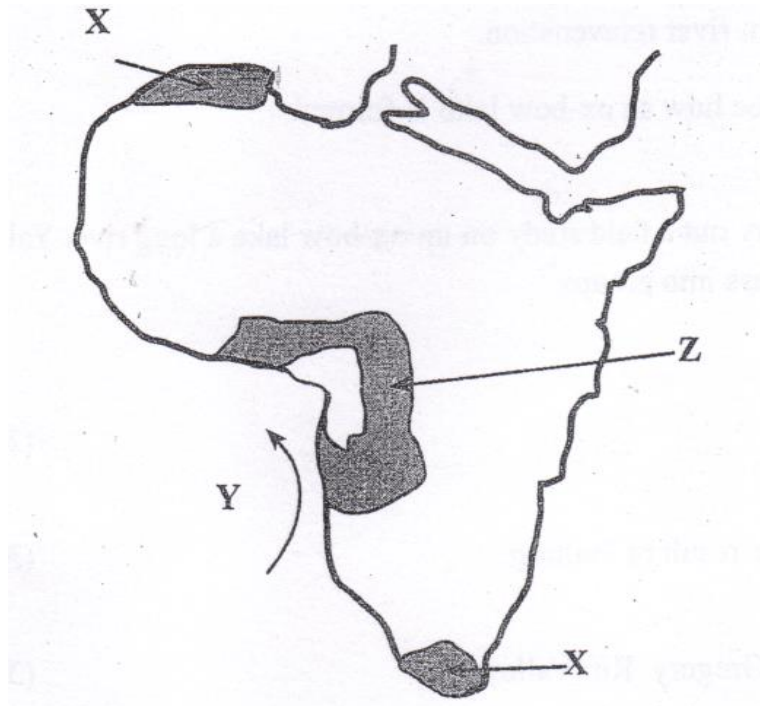
Name

  i.Type of climate experienced in the region marked X. **(1mk)**

  ii. The ocean current marked Y. **(1mk)**

iii.Describe the characteristics of the type of climate found in shaded area marked Z. **(4mks)**

    d) Suppose your class carried out a field study on weather around the school environment

  i.Explain **two** effects of wind on climate that they are likely to have identified. **(2mks)**

  ii. Give **two** methods that you used to collect data in the field. **(2mks)**

iii.Give two follow up activities that you were involved in after the field study. **(2mks)**

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

ii) **Describe two** processes though which a river erodes its channel . **(4mks)**

b) The diagram below shows a water fall. Use it to answer question b (i)
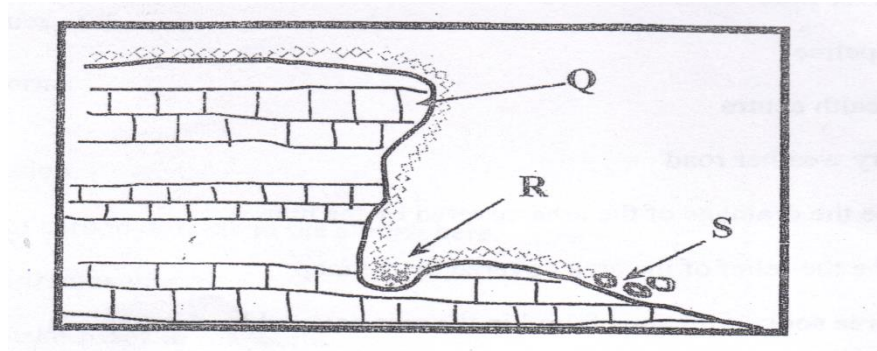
  i.Name the parts marked Q, R and S. **(3mks)**

Q – **(1mk)**

R – **(1mk)**

S – **(1mk)**

  ii. Explain **two** causes of river rejuvenation. **(1mk)**

iii. Name **two** features resulting from river rejuvenation. **(2mks)**

c) Using well –labeled diagrams, **describe** how an ox-bow lake is formed. **(6mks)**

d) Your Geography class intends to carry out a field study on an ox-bow lake a long river Yala.

    Give four reasons for dividing the class into groups. **(4mks)**

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

ii) Name **three** featured formed as a result of faulting. **(3mks)**

b) i) State **three** characteristics of the Gregory Rift Valley. **(3mks)**

ii) Give **three** theories that explain the origin of the Rift Valley.   **(3mks)**

iii) Explain **four** ways in which faulting influence drainage.   **(8mks)**

c) A form **4** geography class of Mwarano High School carried out a field study on the section of the Rift Valley in Kenya.

i. State **three** preparations they had before the study.   **(3mks)**

ii. State **three** ways of data recording activities used during the study.   **(3mks)**

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

   ii) Name **two** types of soil according to texture.   **(2mks)**

b) Briefly **explain** how the following factors influence soil formation.

i. Climate   **(4mks)**

ii. Living organisms.   **(4mks)**

c) i) **Differentiate** between soil profile and soil catena.   **(2mks)**

   ii) List **three** processes which influence the development of soil profile.   **(3mks)**

d**) Explain** how the following human activities lead to soil erosion.

i. Continuous ploughing   **(2mks)**

ii. Cutting down trees.   **(2mks)**

e) Identify **four** consequences caused by severe soil erosion in an area.   **(4mks**

KCSE 2025 CROSS-COUNTRY MOCKS

NATIONAL TRIAL 1

312/2

GEOGRAPHY

PAPER 2

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		25	
		25	

SECTION A

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**.** **(1mk)**

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

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

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

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

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

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

SECTION B

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

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

a) (i) Name the type of photograph shown above **(1 mark)**

(ii) What time of the day was the photograph taken if the camera was held facing South?

(1 mark)

iii) Draw a rectangle measuring 16cm by 9cm to represent the area of the photograph. On it sketch and label the main features shown on the photograph **(5 marks)**

iv) Describe the landscape of the area represented by the photograph. **(3 marks)**

b) (i) Identify **two** counties in the Rift Valley where ranching is practiced. **(2 marks)**

(ii) Name **one** exotic breed of beef cattle reared in Kenya **(1 mark)**

c) State **four** physical factors which favour beef farming in Argentina **(4 marks)**

d) Explain **four** benefits of beef farming to the economy of Argentina **(8 marks)**

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

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

(b) Describe the steps involved in the processing of oil palm from the time is 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
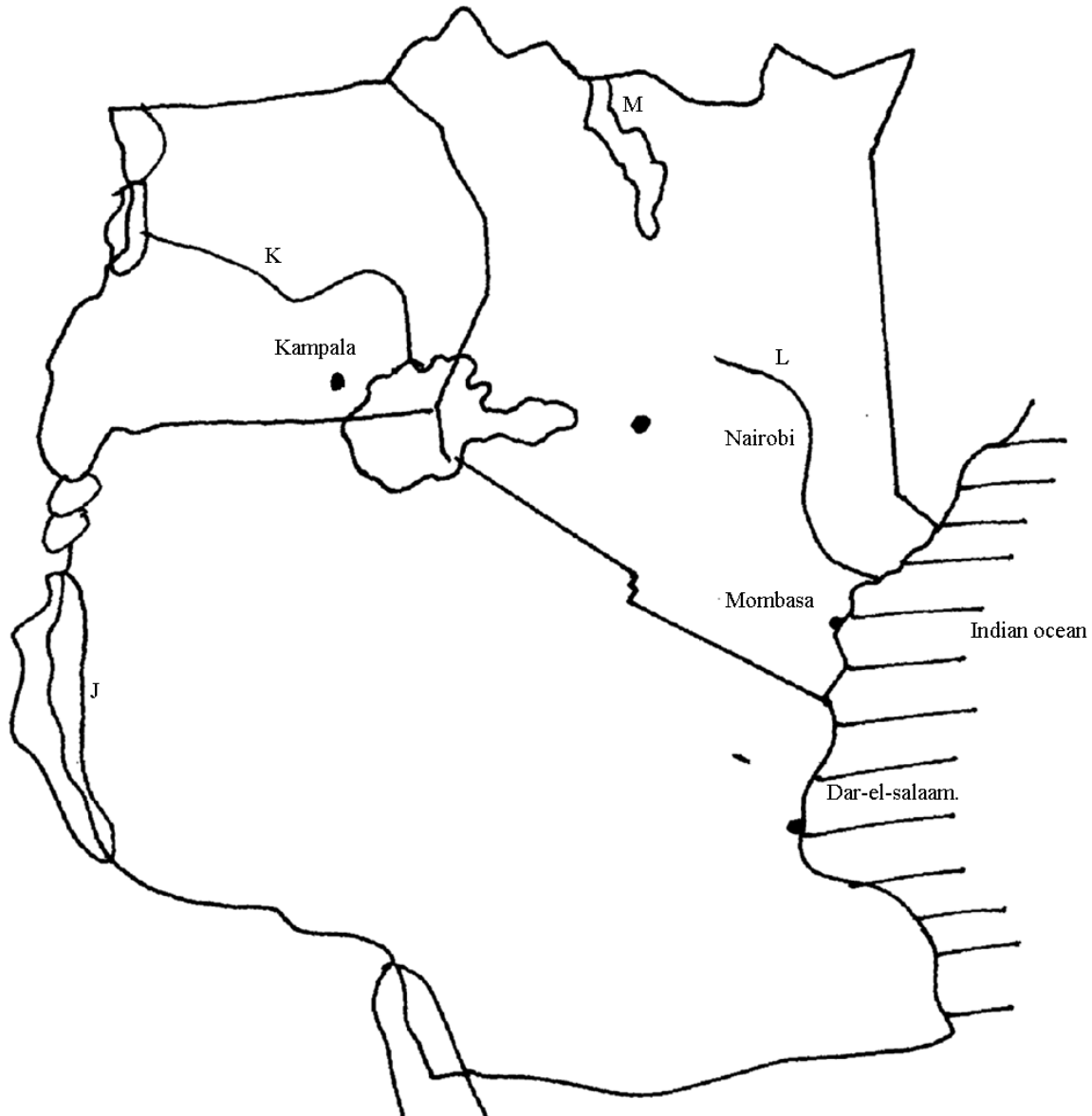
(i) Name the fishing grounds marked J, K, L and M. **(4mks)**

(ii)　　Explain the solutions to any <u>four</u> problems facing Inland fishing in East Africa. **(8mks)**

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

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

　　　(i)　Market. **(2mks)**

　　　(ii)　Nature of landscape. **(2mks)**

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

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

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

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

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

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

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

(ii)   State four features of horticulture.   **4mks**

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

ii) Explain why horticulture is more developed in Netherlands than in Kenya.   **8mks**

c) State and explain four contributions of horticulture to the economy of Kenya.   **8mks**

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NATIONAL TRIAL 2
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GEOGRAPHY

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		25	
		25	

SECTION A(25 MARKS)

1. a)   What is an eclipse   **(2marks)**

   b)   State the three characteristics of the earth's core   **(3marks)**

2. a)   Define the term longitude   **(2marks)**

b)   The local time of town A 40^0E is 12noon.

   What will be the local time of B 30^0E

3. (a)   Name any **two** leaching processes that leads to soil formation.   **(2marks)**

(b) State any **three** methods that have been used to manage and conserve soil in Kenya.**(3marks)**

4. (a) List **two** features resulting from extrusive volcanic activity.   **(2marks)**

(b) Outline **two** effects of vertical earth movements.   **(2marks)**

5. (a) List **two** sources of sedimentary rocks.   **(2marks)**

(b) Give **two** examples of mechanically formed sedimentary rocks.   **(2marks)**

Section B

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

6. Study the map of Tambach (1:50000) and answer the following questions

   a i) What is the magnetic declination of the map as at 1975   **(2mks)**
 ii) Convert the scale of the map into statement scale   **(2mks)**
 iii) Identify **three** human features found in the grid square 7979   **(3mks)**
 iv) Name **two** methods of representing relief used in the map   **(3mks)**
 b) Draw a rectangle 12cm by 8cm to represent the area bound by Eastings 89 and 98 and
 Northings 69 and 75   **(6mks)**
         On the rectangle, mark and name the following
   i)   River Kerio
   ii)   Dry weather road
   iii)   Air photo principal 78
   iv)   Seasonal swamp
 c) Describe the drainage of the area covered by the map.   **(7mks)**
 d) Identify **two** social services in the area covered by the map   **(2mks)**

7. (a)   Give the difference between a Normal and a Reverse fault.   **(2 marks)**

   (b)   With aid of a well labeled diagram, describe how a fault block is formed.   **(5 marks)**

   (c)   Explain **three** negative effects of faulting to human activities.   **(6 marks)**

   (d)   Explain **three** reasons why some lakes in the Rift valley are saline.   **(6 marks)**

   (e)   Explain how a caldera lake is formed.   **(6 marks)**

8. (a)   On the map of Africa provided mark and name.   **(3 marks)**
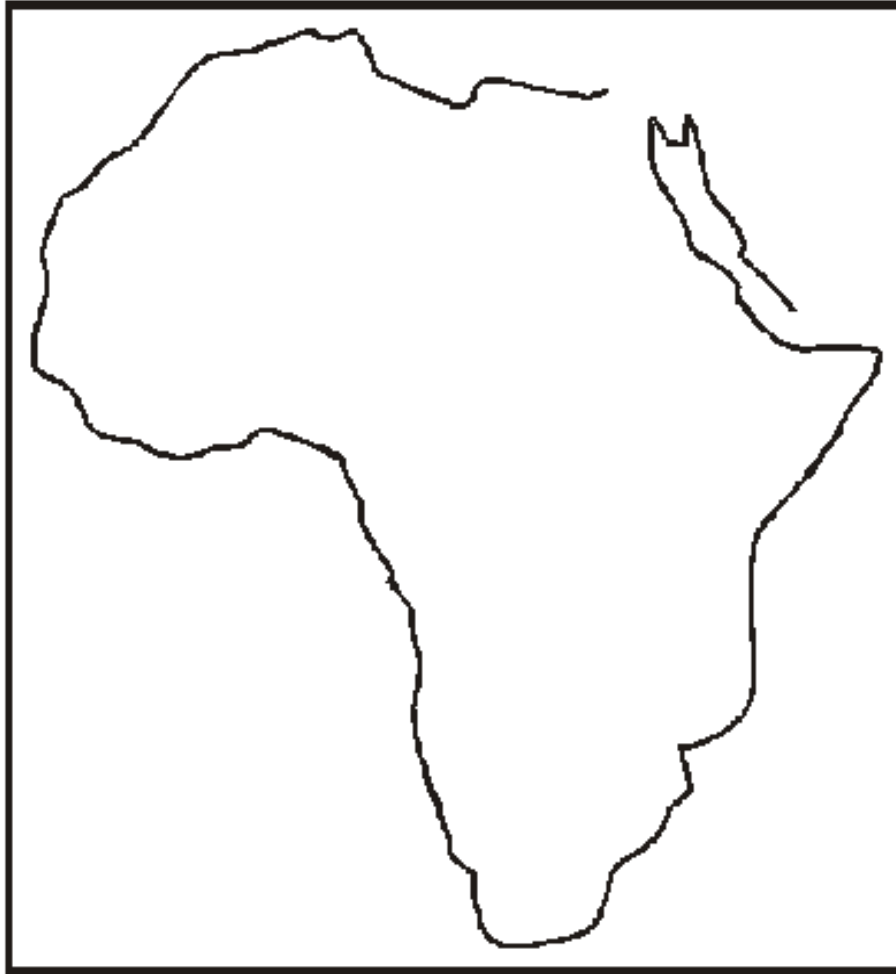
    (i)   Equatorial Climate
    (ii)   Tropical Desert Climate
    (iii)   Tropical Continental Climate

(b)   Describe **three** characteristics of the equatorial climate.   **(6 marks)**

(c)   Describe the characteristics of the Tropical Desert vegetation that helps them adopt to the desert climate.   **(6 mrks)**

(d)   State **four** uses of the Savanna vegetation.   **(4 marks)**

(e)   Explain **three** factors that influence the vegetation distribution of the world.   **(6 marks)**

9. a)   (i) Give two ways in which underground water may reach the earth's surface.   **(2 marks)**

    (ii)   State three conditions necessary for the formation of artesian wells.   **(3 marks)**

b)   Explain three importance of underground water.   **(6 marks)**

c)   (i) Give three factors which influences the development of Karst landscape.   **(3 marks)**

(ii)   Explain three reasons why Karst landscape discourages settlement.   **(6 marks)**

e) With an aid of a well labeled diagram describe the formation of a limestone pillar.**(5 marks)**

10 .a) Outline three processes through which ice moves. **(3 marks)**

b) Explain three factors that influence glacial erosion. **(6 marks)**

c) Study the diagram below which shows a glaciated highland and answer questions c (i) and

(ii)
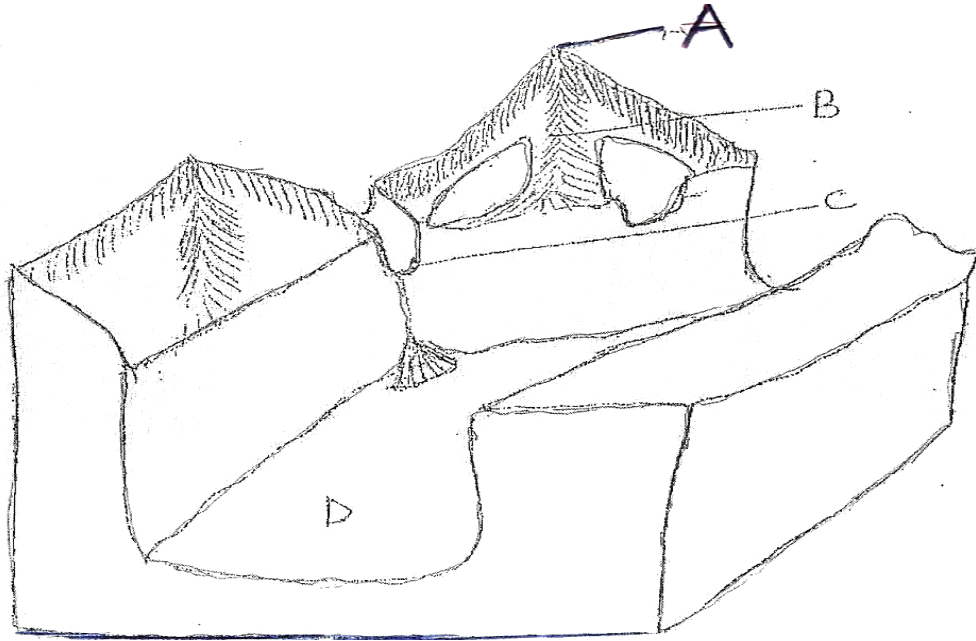
i) Name the features marked A, B, C and D. **(4 marks)**

ii) Describe how features A and D were formed. **(6 marks)**

d) Suppose you were to carry out a field study of a glaciated highland:-

(i) State two disadvantages of using observation as a method of data collection. **(2 marks)**

(ii) State two problems you are likely to encounter. **(2 marks)**

(iii)   Suggest two economic activities you would recommend to the Government in this area.

(2 marks)

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NATIONAL TRIAL 2

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GEOGRAPHY

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		25	
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SECTION A

Answer all questions from this section.

1. (a)   Name **two** breeds of beef cattle.   **(2marks)**

   (b)   State **three** factors favoring beef farming in Argentina.   **(3marks)**

2. (a)   State **three** characteristics of shifting cultivation.   **(3marks)**

   (b)   Give **two** problems experienced in small scale tea farming in Kenya.   **(2marks)**

3 (a)   Identify **two** types of migration apart from urban –rural migration.   **(2marks)**

   (b)State **three** causes of urban-rural migration.   **(3marks)**

4 (a) State two reasons why growing of flowers in green houses is preferred in Kenya   **(2marks)**

   (b) State three climatic condition that favour the growing of palm oil in Nigeria `**(3marks)**

5 (a)   State two reasons why some industries are located near the sources of raw materials

                                                                                      (2marks)

(**b**)   Give three characteristics of the cottage industry in India   **(3marks)**

SECTION B:

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

**6.** Study the table below and answer the questions that follow.

Kenya: Leading imports by value (Ksh. Million)

Commodity	2000	2001	2002	2003	2004
Crude petroleum	41907	31179	23940	25415	45954
Petroleum products	21773	26035	22065	39493	43056
Medicinal and pharmaceuticals	5976	7188	8678	9728	11607
Chemical fertilizers	5448	6307	5497	6524	11079
Plastics	8446	9131	8816	11211	15420
Iron and steel	8604	11969	11115	12504	21265
Industrial machinery	39438	37933	25474	32764	43516
Road motor vehicles	9659	14542	14382	17965	24361
Grand Total	141,251	144,284	119,967	155,604	216,258

Source: Kenya Economic Survey; 2005

(a) (i) Calculate the percentage by value of the item with the lowest import value for the year 2004. **(2marks)**

(ii) What percentage of the total bill for 2004 is attributed to the leading import item? **(2marks)**

(iii) Draw a divided rectangle to show the proportion by percentage of the leading imports for the year 2004. Let the length of the rectangle be 10cm. **(10marks)**

(iv) State **three** advantages of using a divided rectangle to represent geographical data. **(3marks)**

(b) State **four** ways through which the government of Kenya is promoting export trade. **(4marks)**

(c) Explain **two** ways in which Kenya has benefited from being a member of the common market for Eastern and Southern Africa. **(4marks)**

7. (a) What is nuclear energy. **(2marks)**

(b) Name **four** sources of electric power other than water. **(4marks)**

(c) Explain **four** negative effects that Kenya will get from exploitation of her newly discovered oil reserves in the Northern parts of the country. **(8marks)**

(d) Explain four physical factors that influence the location of hydro-electric power**. (8marks)**

(e) Apart from generation of hydroelectric power, name **three** other benefits of dams. **(3marks)**

8. (a) (i) Define the term environmental conservation. **(2marks)**

(ii) Apart from floods list three natural environmental hazards experienced in Kenya. **(3marks)**

(b) (i) State **four** methods of controlling pests. **(4marks)**

(ii) Explain **three** measures that can be put in place to control flooding in Kenya**. (6marks)**

(c) Students from your school carried out a field study in an area that has experienced soil erosion.

(i) State **three** objectives of their study. **(3marks)**

(ii) State **three** methods they used to collect data. **(3marks)**

(iii) Suggest **four** measures they would recommend to the local community to conserve soil.

(4marks)

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

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

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

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

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

10(a) **(i)** What is sex ratio? **(1 mark)**

(ii) Apart from population census, give *two* other primary sources of population data. **(2 marks)**

(iii) State *three* significance of population census to a country. **(3 marks)**

(b) Explain *four* factors that have led to a high population density in the Kenya Highlands. **(8 marks)**

(c) The pyramid below represents the population structure of Sweden.
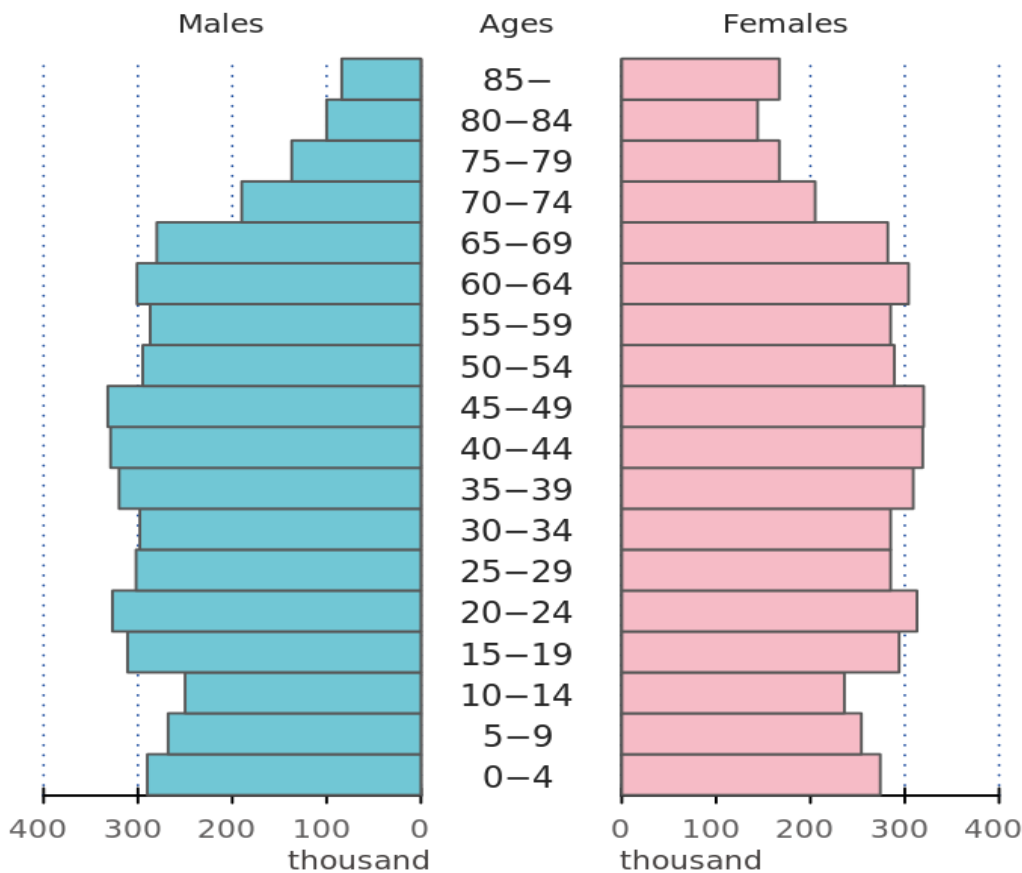
Population pyramids of Sweden 2011 (OECD stat)

Describe the characteristics of population represented by the pyramid. **(5 marks)**

(d) Explain *three* cause of urban-rural migration. **(6 marks)**

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SECTION A

1. **a).** What is wildlife? **2marks**

   b). Name three game sanctuaries in Kenya **3marks**

2. **a)** Draw a well labelled diagram showing the three functional zones of an ideal urban centre . **(2marks)**

   b) State three factors leading to the emergence of slums in urban areas **(3marks)**

3. **a)** Give two reasons how the following factors influenced the development of iron and steel industry

- Availability of water. **(2marks)**
- Historical reasons **(2marks)**

4 **a).** Distinguish under-population from overpopulation. **(2marks)**

   b) Below is a table showing the intercensual births and deaths in Kenya (millions)

	2013	**2014**	**2015**
Number of Births	34.9	32.3	31.8
Number of Deaths	8.3	7.0	5.8
Total Population	**44.8**	**46.0**	**47.2**

Source: Hypothetical

   i. Calculate the crude birth rate of 2013 **(2 marks)**

   ii. Calculate the death rate of 2015 **(2 marks)**

   iii. The numerical population increase in Kenya between 2013 and 2015 **(2marks)**

5 **a).** What is land reclamation? **(1 mark)**

   b) **State two** factors that determine the amount of water to be supplied to agricultural land **(2 marks)**

SECTION B

Answer question 6 and any other two questions from this section

6. Study the map of Tambach provided and answer the questions that follow:

(a)Name two human features in grid square **7168**   **(2 marks)**

(i)Measure the distance of river Kerio beween grid reference 908570 and Give grid reference

898620.Give your answer in Kilometres   **(2 marks**

(ii)Give the longitudinal extent of the area covered by the map.   **(2 marks)**

B (i)Calculate the area of Kaptagat forest. Give your answer in square kilometres**(2 marks)**

(ii)Citing evidence from the map state two social services offered in the area covered by the map.

(4 marks)

(iii)Name two districts in the area covered by the map.   **(2 marks)**

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

(d)Citing evidence from the map explain three physical factors which may favour cattle rearing in

the area covered by the map.   **(6 marks)**

7. (a)   What is a rock?   **(2marks)**

   (b)(i) Classify rocks according to their mode of formation.   **(3marks)**

(ii) Identify **two** classes of rocks mentioned in (i) above that are formed from the already existing

   rocks.   **(2marks)**

(iii)   List **two** characteristics of rocks.   **(2marks)**

   (c)(i)List **two** main types of rocks dominant in Kenya.   **(2marks)**

(ii) Explain the importance of studying rocks.   **(6marks)**

(d)Explain **four** benefits of rocks to the economy of a country.   **(8marks)**

8. (a)   **(i)**   What is mass movement?   **(2marks)**

          (ii)   List the **two** broad categories of mass wasting.   **(2marks)**

   (b)   **(i)**   What is soil creep?   **(2marks)**

          (ii)   Describe the factors that cause soil creep.   **(5marks)**

   (c)   Differentiate between soils creeps and rock slide.   **(6marks)**

   (d)   Explain the negative effects of mass wasting on physical and human environment.

(8marks)

9. (a) Differentiate between a ocean and a sea. **(2marks)**

   (b) **(i)**Identify the **main** cause of water movement in the ocean. **(2marks)**

       (ii) Identify the **two** main water movements in the oceans. **(2marks)**

   (c) List **three** processes through which erosion occurs along the Coasts. **(3marks)**

   (d) Using a well labeled diagram describe the formation of a spit. **(5marks)**

   (e) Describe the **three** types of coasts. **(6marks)**

   (f) Explain how oceans currents influence the climate of the surroundings. **(5marks)**

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

      (i) Hydraulic action **(2marks)**

      (ii) Abrasion **(2marks)**

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

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

(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. **(3marks)**

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

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

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NATIONAL TRIAL 3
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PAPER 2
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Kenya Certificate of Secondary Education.

INSTRUCTIONS TO CANDIDATES

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FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION A

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

   (b) Name any two types of underground mining **(2 marks)**

2. (a) What is a forest **(1 mark)**

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

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

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

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

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

4. (a) What is a trading bloc. **(2marks)**

   (b) State any three factors influencing trade. **(3marks)**

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

(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. **(3marks)**

SECTION B (75 marks)

Answer question 6 and any other two questions

6. The table below shows some of Kenya's imports and exports in tonnes in 1987.
Use the data to answer the questions that follows.

Import in tonnes		Export in tonnes	
Item	**Tonnes**	**Item**	**Tonnes**
Sugar	99,000	Sugar	316,000
Iron and steel	300,000	Iron and steel	159,000
Fertilizer	84,000	Fertilizer	259,000
Wheat	125,000	Wheat	225,000
Total	**608,000**	**Total**	**959,000**

a) Draw a comparative bar graph to represent the above data using scale of 1cm to 25,000 tonnes. **(8 marks)**

b) Explain how the following factors influence external trade in Kenya under the following Subheadings:

i) Population **(2 marks)**
ii) Foreign investment **(2 marks)**
iii) Government policy **(2 marks)**
c) Explain three measures taken by the Kenyan government to reduce unfavourable balance

of trade. **(6 marks)**

d) State **five** ways in which Kenya is likely to benefit from the renewed East African Co-operation.

(5 marks)

7. a) i) Differentiate between the term transport and communication. **(2 marks)**

   ii) State **four** advantages of road transport. **(4 marks)**

   b) Explain **four** factors that hinder the development of river transport in Afric**a.** **(8 marks)**

   c) State **three** problems facing communication in Africa. **(3 marks)**

   d) Explain **four** reasons why it is difficult to transport goods from Mombasa to Lagos

   along the Trans- Africa highway. **(8 marks)**

8. a) Define the following terms:

   i) Forest **(1 mark)**

   ii) Forestry **(1 mark)**

   b) i) Name **three** indigenous hardwood tree species grown in Kenya. **(3 marks)**

   ii) Name **four** conditions that favour the growth of forests. **(4 marks)**

c) Explain **four** factors which favour the development of soft wood forests in Canada. **(8 marks)**

d) Students of Kitui School carried out a field study of a nearby forest.

i) State **three** activities that they engaged in during collection of data. **(3 marks)**

ii) List **three** follow-up activities the students would have done. **(3 marks)**

iii) State **two** problems the students were likely to encounter. **(2 marks)**

9. (a)(i) What is fishing and fisheries **(4marks)**

(b) List **three** types of fish caught in North East pacific fishing ground. **(2marks)**

(c)(i) State the significance of fishing industry in Kenya. **(3marks)**

 (ii) Explain **four** problems facing fishing in Kenya. **(8marks)**

  (d) State **two** methods that are used to manage and conserve fish in Kenya **(2marks)**

10. (a) (i) Name **two** major counties in Kenya known for high maize production. **(2 marks)**

   (ii) What is the importance of maize production to Kenya's economy. **(6 marks)**

   (iii) Name the Board that is known for buying and selling of maize in Keny**a. (1 mark)**

   (b) What are the problems facing the maize farming in Kenya. **(8 marks)**

   (c) Explain **four** physical conditions that favour maize growing in Kenya. **(8 marks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 4
312/1
GEOGRAPHY

PAPER 1
TIME: 2¾ HOURS

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B	6	25	
		25	
		25	

SECTION A
Answer all questions in this section

1. The diagram below represent the flow of air currents. Use it to answer question a and b.
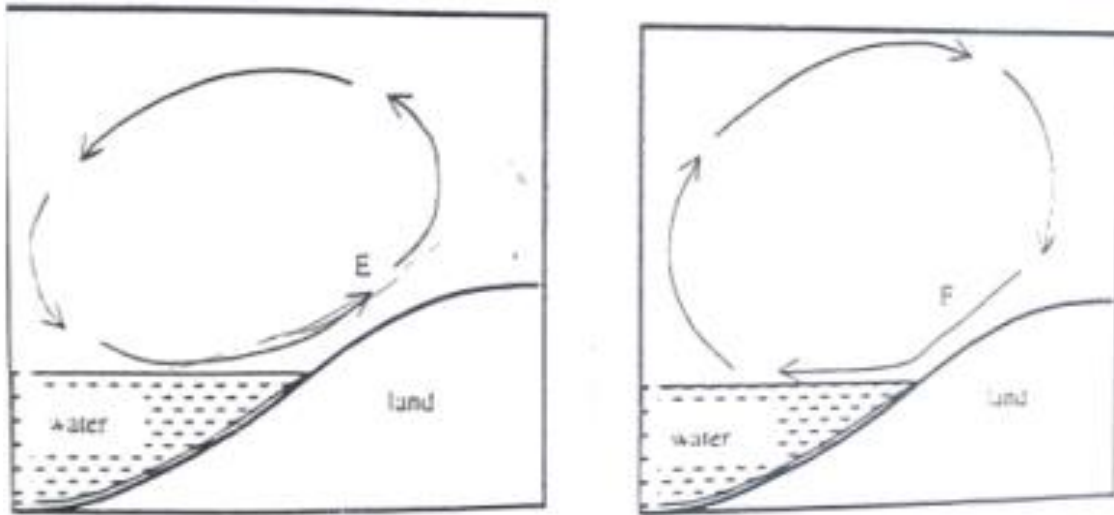
a) Name the air current marked F.   **(1mk)**

b) Describe how the air current marked E occurs.   **(4mks)**

2. a) What is Relative Humidity?   **(2mks)**

b) The table below shows temperature readings of Dry bulb thermometer and wet bulb

thermometer in three weather stations.

STATION	DRY BULB THERMOMETER	WET BULB THERMOMETER
J	30^0C	28^0C
K	30^0C	5^0C
L	30^0C	30^0C

Give the state of relative humidity in station J, K and L.   **(3mks)**

3. a) Differentiate between a magnitude of an earthquake and intensity of an earthquake.   **(2mks)**

b) Describe how a dyke is formed.   **(3mks)**

4. a) Name **two** types of ice masses found on mountains in East Africa.   **(2mks)**

b) State **three** distinctive characteristics of a pyramid peak.   **(3mks)**

5. a) Name **two** ocean currents along the Western Coast of Africa.   **(2mks)**

b) State **three** causes of ocean currents.   **(3mks)**

SECTION B

Answer question 6 and any other two questions.

6. Use the map of Tambach sheet 90/3 to answer question 6.

 (a)   (i) Convert the map linear scale to statement.   **(2 marks)**

 (ii) Measure the distance of approximate alignment around Lake.Kamnarok. give your answer in meters.   **(2 marks)**

 (iii) Calculate the area of Kaptagat Forest.   **(2 marks)**

 (b)   (i) Give three indicators which shows that the part of Tambach receive high rainfall.

                                    (3 marks)

 (ii) Describe characteristics of the long profile of River.Kerio.   **(6 marks)**

 (c)   A straight road is to be built from Tambach town to Muchukwo. State four problems that would be experiences during the construction.   **(4 marks)**

 (d)   Citing evidence explain three factors which have led to growth of Kapchemutwa forest plantation.   **(6 marks)**

7. a) Describe the following characteristics of minerals.

i)   Lustre   **(2mks)**

ii) Density   **(2mks)**

iii)   Cleavage   **(2mks)**

b) Giving an example for each, describe the three types of mechanically formed sedimentary rocks.

                                                                (9mks)

c) You are required to carry out a field study on the types of rocks within the vicinity of your school.

i)   State four reasons why you would conduct a reconnaissance   **(4mks)**

 ii) State how you would use the following items during the field study.

- Geological hammer   **(2mks)**
- Magnifying lens   **(2mks)**
- Geological map   **(2mks)**

8. a) Give **two** types of Earth Movement within the earth's crust.   **(2mks)**

b) i)   Describe the origin of continents according to the theory of Continental Drift.   **(6mks)**

ii) Explain the following evidence which support the theory of Continental Drift.

- Paleontological evidence.   **(2mks)**
- Paleoclimatic evidence.   **(2mks)**
- Sea floor spreading.   **(2mks)**

c) i)   Name **one** fold mountains in:-

- North America   **(1mk)**

- Asia   **(1mk)**
- Africa   **(1mk)**
ii) With the aid of well labeled diagrams, describe how Fold Mountains are formed.   **(8mks)**

9. a) i)   What is a river Divide.   **(2mks)**
ii)   Describe the three types of River Erosion.   **(9mks)**
b) Explain the following drainage patterns and systems.
i)   Dendritic.   **(2mks)**
ii) Superimposed.   **(4mks)**
c) Explain four ways in which Rivers Negatively affect human environment.   **(8mks)**

10.   a) i)   What is soil texture.   **(2mks)**
ii)   Give **two** types of soil according to texture.   **(2mks)**
b) Explain how the following factors influence the formation of soil.
i)   Parent Rock   **(4mks)**
ii) Living organisms.   **(4mks)**

c) The diagram below represents a well-developed soil profile. Use it to answer question C.
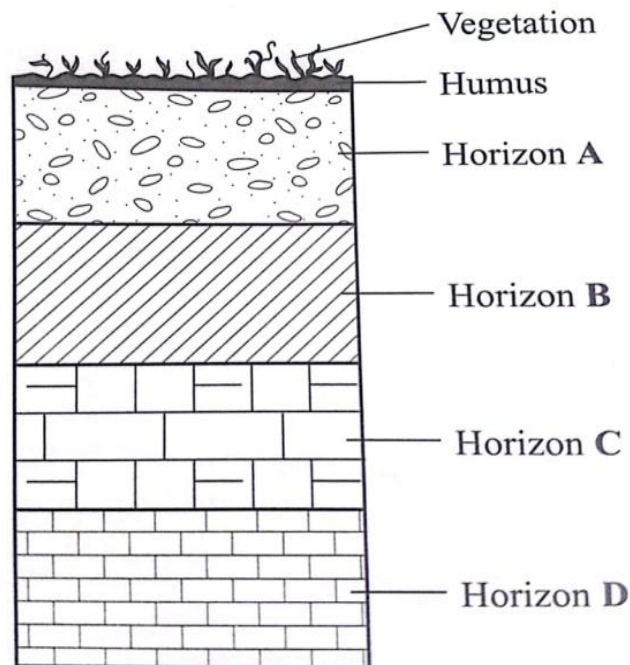
i) Name three layers of Horizon A   **(3mks)**
ii) Describe the characteristics of Horizon B.   **(3mks)**
d) i)   State three economic benefits of soil.   **(3mks)**
ii) Describe the following types of soil erosion.
- Sheet erosion.   **(2mks)**
- Gully erosion.   **(2mks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 4
312/2
GEOGRAPHY

PAPER 2
TIME: 2¾ HOURS

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		25	
		25	

SECTION A

Answer all questions in this section

1. The table below shows petroleum production in thousand barrels per day for countries in Middle East in April 2006. Use it to answer question (a)

COUNTRY	PRODUCTION IN '000 BARRELS
Iran	3,800
Kuwait	2,550
Qatar	800
Saudi Arabia	9,600
United Arab Emirates	2,500
Iraq	1,900

a) i)   What is the difference in production between the highest and lowest producer.   **(1mk)**

ii)   What is the total amount of petroleum produced in April 2006 in the region?   **(1mk)**

iii) Calculate the average daily petroleum production for Kuwait for April 2006.   **(1mk)**

b) State **three** ways in which Kenya can reduce the use of petroleum as a source of energy. **(3mks)**

2. State **four** differences between soft wood forests in Kenya and Canada.   **(4mks)**

3. a) Give **two** provinces in Canada that produce wheat on large scale.   **(2mks)**

b) State **three** uses of wheat.   **(3mks)**

4. a) In 1989 Kenya's population was 21.4 million while in 1999, it was 28.7 million. Calculate the population growth rate over the 10 year period.   **(2mks)**

b) State **three** ways in which the population of Kenya differs from the population of Sweden.

(3mks)

5. a) Identify the **two** types of internal trade.   **(2mks)**

b) Give **three** factors that limit trade among the member states of the common market for Eastern and Southern Africa. **(COMESA)**   **(3mks)**

SECTION B

Answer question 6 and any other two questions.

6. a) The table below shows the distribution of Beef cattle in three regions in country X.

REGION N	NUMBER OF BEEF CATTLE
K	500,000
L	350,000
M	200,000

i) Using a scale of 1 dot to represent 50,000 cattle, draw a dot map to show the distribution of Beef cattle in the three regions in country X. Show all your workings.   **(8mks)**

In your answer booklet draw and use the sketch below
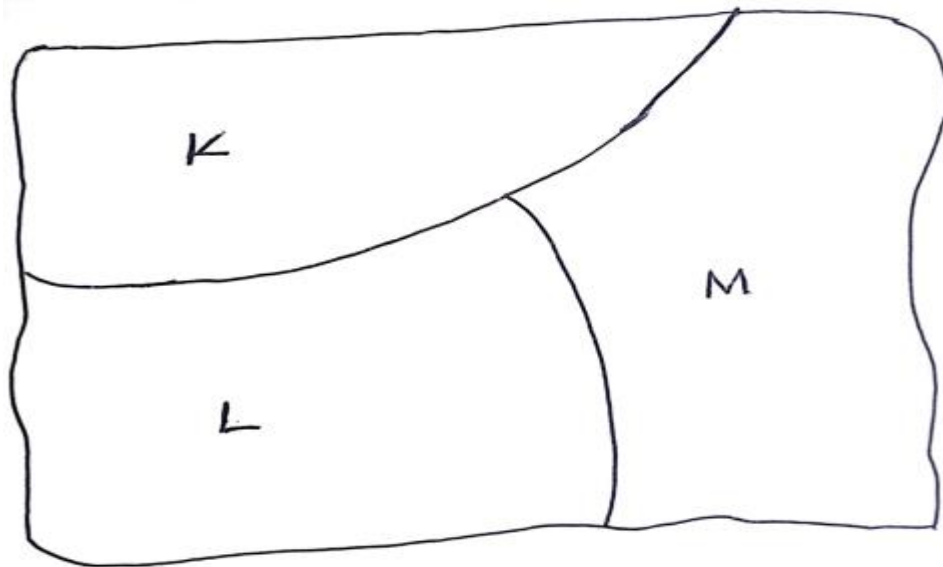
ii) Give **three** advantages of using a dot map to represent geographical data.   **(3mks)**

b) i)   Name **three** exotic breeds of cattle reared in commercial ranches in Kenya.   **3mks)**

   ii)   Explain **six** roles played by Beef farming to the economy of Kenya.   **(6mks)**

c) Give **five** reasons why Beef production is higher in Argentina than Kenya.   **(5mks)**

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

   ii)   Name the area where the following minerals are mined in Kenya.

- Diatomite   **(1mk)**

- Salt   **(1mk)**

b) Explain how the following factors influence the occurrence of minerals.

    i. Evaporation   **(2mks)**

   ii. Vulcanicity   **(2mks)**

  iii. Metamorphism   **(2mks)**

   c) i)   Name **two** minerals mined by placer mining method.   **(2mks)**

     ii) Describe placer mining method.   **(5mks)**

  d) Explain **four** ways through which mining promotes industrialization in Kenya.   **(8mks)**

  8. a) i)   Give **two** methods that are used to drain swamps.   **(2mks)**

  ii) State **four** physical factors which influenced the location of Mwea Irrigation Scheme.   **(4mks)**

  b) i)   Name **three** areas which make up the Zuyder Zea reclamation project in the Netherlands.

                                                              (3mks)

  ii) Explain **four** ways in which the Zuyder Zea Project benefits the Netherlands.   **(8mks)**

  c) You intend to carry out a field study on irrigation farming in Perkerra Irrigation Scheme.

  i)   Identify **two** types of hypothesis you would develop for the study.   **(2mks)**

  ii) Name **three** crops grown in the scheme you are likely to identify.   **(3mks)**

  iii) Give **three** reasons why you would sample the area of study.   **(3mks)**

  9. a) i)   What is wildlife.   **(2mks)**

  ii) State **three** factors that favour establishment of National Parks in semi-arid areas of East Africa.

                                                              (3mks)

  b) i)   Apart from Historical sites, name three tourist attractions found at the Coast of Kenya.

                                                             (3mks)

  ii) State **three** reasons why it is necessary to preserve historical sites in Kenya.   **(3mks)**

  c) Explain **four** problems associated with tourism in Kenya.   **(8mks)**

  d) Explain the differences between tourism in Switzerland and Kenya under the following

    subheadings.

  i. Climate   **(2mks)**

  ii. Beaches   **(2mks)**

  iii. Purchasing power   **(2mks)**

10. a) Name the **two** types of Human Settlement. **(2mks)**

b) The map below shows the location of some urban centres in East Africa.
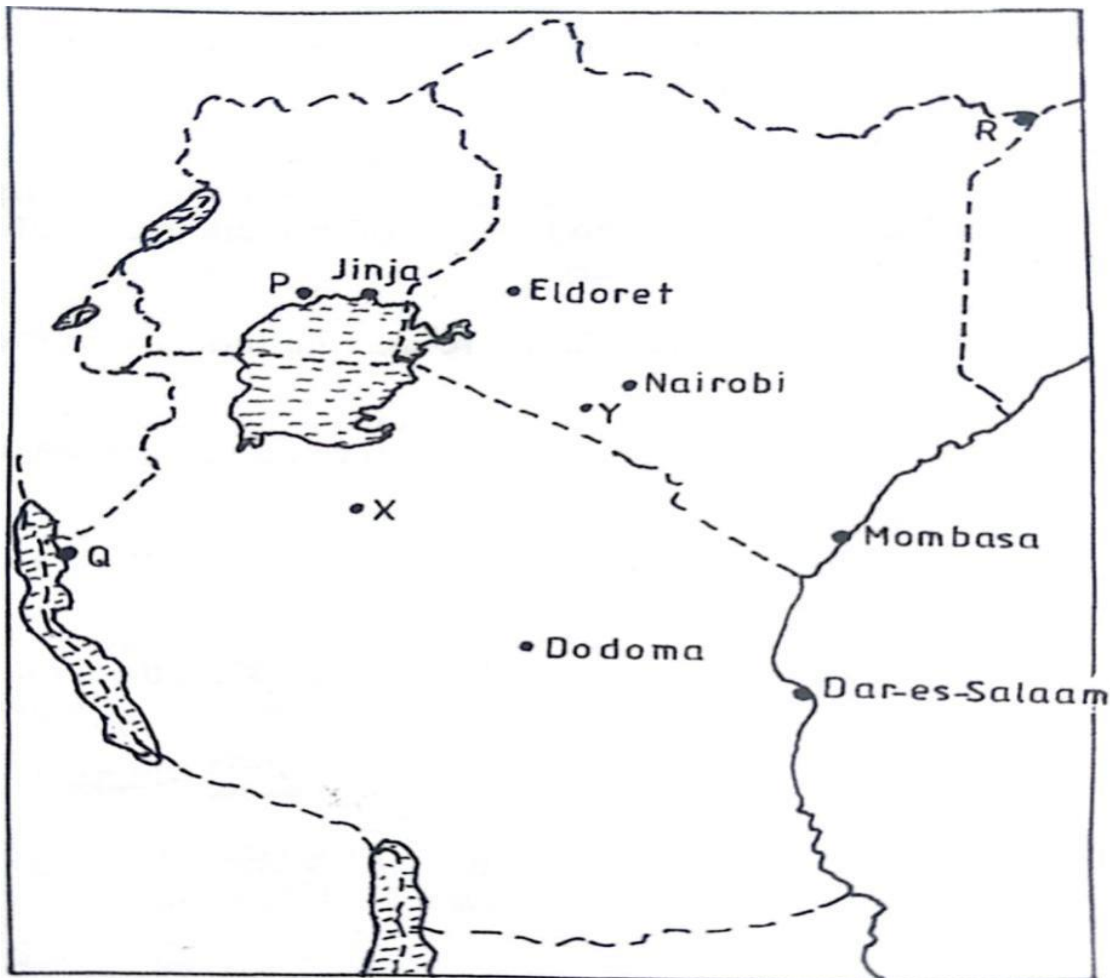
i) Name the towns marked P,Q and R. **(3mks)**

ii) Name the minerals that influenced the growth of the towns X and Y. **(2mks)**

c) i) Apart from Thika, Name two other towns in Kenya where motor vehicle assembling plants are located. **(2mks)**

ii) Explain how the following factors led to the growth of Thika town.

- Availability of water **(2mks)**
- Hinterland **(2mks)**
- Proximity to Nairobi **(2mks)**
- Land **(2mks)**

d) Explain four measures that could be taken to control high rate of crimes in urban centres in Kenya. **(8mks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 5
312/1
GEOGRAPHY
PAPER 1
TIME: 2¾ HOURS

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B	6	25	
		25	
		25	

SECTION A

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

   (b) Give **two** types of environment **(2marks)**

2. The diagram below represents the structure of the earth. Use it to answer the questions.
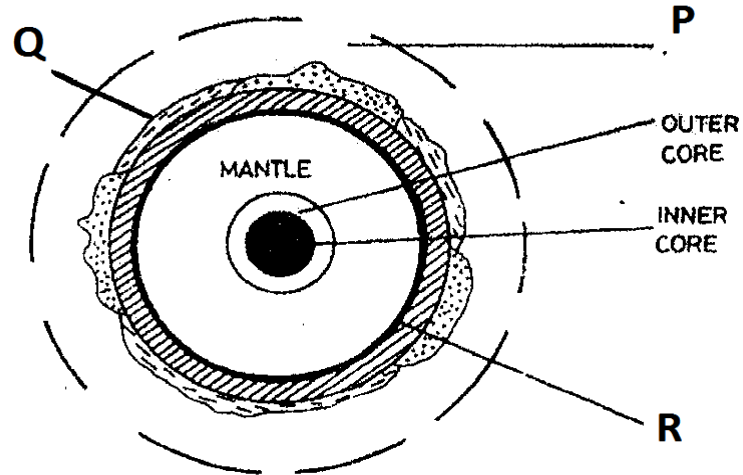
(a) Name:

   (i) the part marked P and R **(2marks)**

   (ii) three features that makes up part marked Q **(3marks)**

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

   (b) Name **three** relief features formed as a result of folding **(3marks)**

4. **(a)** Apart from physical weathering, give **two** other types of weathering **(2marks)**

   (b) List **four** physical weathering processes that takes place in Arid areas **(4marks)**

5. **(a)** What is drainage pattern **(2marks)**

   (b) Give **three** types of drainage system **(3marks)**

SECTION B

Answer question 6 and any other TWO questions from this section

6. Study the map of **Tambach** (**1:50,000 sheet 90/3**) provided and use it to answer the following

   questions.

   (a)(i)What is the longitudinal extend of the area covered by the map. **(2 mks)**

   (ii)Convert the ratio scale of the map into statement scale **(1mk)**

   (iii) What is the magnetic declination of the map as at 1980? **(2 mks)**

   (b) (i) Citing evidence from the map, give two social functions of Iten town **(2mks)**

   (ii) Describe the characteristics of the long profile of River Kerio. **(5mks)**

(c)Citing evidence from the map, explain three factors favouring trading in the area covered by the map.   **(6mks)**

(d) i) Using a vertical scale of 1 cm rep 100m, draw a cross section from grid reference 830730 to 910730. On it mark and **label**   **(5 mks)**

- Dry weather road
- Escarpment
- River Kerio

ii) Give the intervisibility of the points drawn   **(2mks)**

7(a)(i) Give **two** examples of non-metallic minerals   **(2marks)**

(ii) Describe the following characteristics of minerals

Colour   **(2marks)**

Hardness   **(2marks)**

Lustre   **(2marks)**

(b) (i) Give **two** forms of metamorphism   **(2marks)**

(ii) List **three** examples of metamorphism   **(3marks)**

(c) (i) Describe the formation of plutonic rocks   **(3marks)**

(ii) State **two** conditions necessary for the growth of coral polyps   **(2marks)**

(d) You are planning to carry out a field study on study on rocks within the local environment

(i) Formulate **three** objectives of your study   **(3marks)**

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

(iii) Give **two** methods of data collection you will use while in field   **(2marks)**

8 (a) what is lava   **(2marks)**

(b) The diagram below shows some intrusive volcanic features
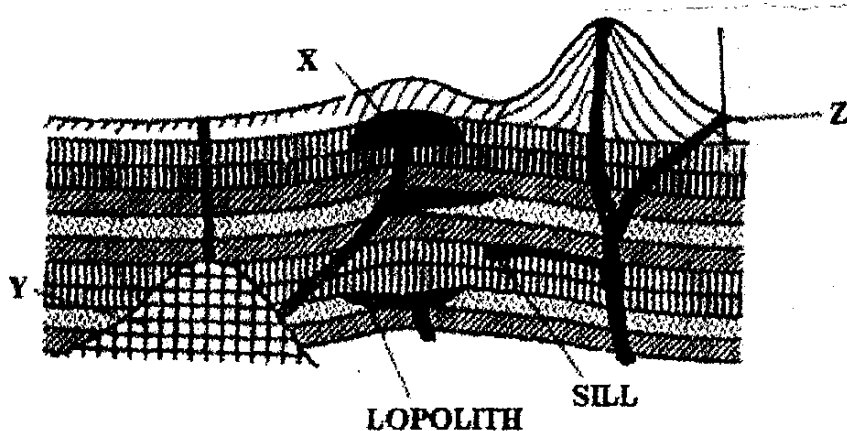
(i) Name the features marked X, Y and Z   **(3marks)**

(ii) Describe how the following features are formed

Sill   **(4marks)**

Lopolith   **(4marks)**

(c) Describe the composition of composite volcano   **(4marks)**

(d) Explain **four** ways in which volcanic features influence human activity   **(8marks)**

Q9 (a) Define an ocean   **(2marks)**

(ii) State **three** types of seas   **(3marks)**

(b) (i) Give **three** characteristics of the continental shelf   **(3marks)**

(ii) Describe the following processes of wave erosion along the coast

Abrasion   **(2marks)**

Hydraulic action   **(2marks)**

Solution   **(2marks)**

(c) The diagram below shows a breaking sea wave; use it to answer the questions below
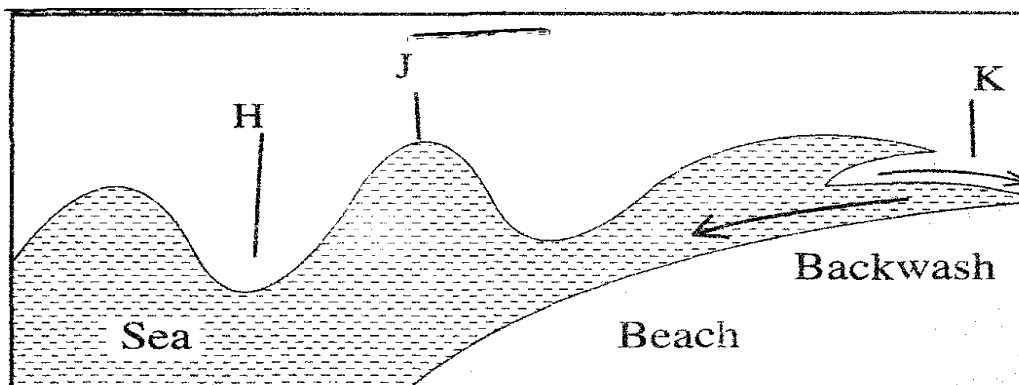
(i) Name the features marked H, J, K   **(3marks)**

(ii) With the aid of well labeled diagrams describe the process through which a stack is formed

(8marks)

Q10 (a) what is soil   **(2marks)**

(b) (i) List **three** components of soil   **(3marks)**

(ii) Explain how the following factors influence soil formation

Parent rock   **(4marks)**

Topography   **(4marks)**

(c) Draw a well labeled diagram of mature soil profile   **(4marks)**

(d) Explain **four** ways in which human activities may lead to soil erosion   **(8marks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 5
312/2
GEOGRAPHY

PAPER 2
TIME: 2¾ HOURS

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		25	
		25	

SECTION A (25mks)

Answer all questions in this section

1(a). Differentiate between forestry and agro forestry **(2mks)**

 (b) State three significance of forest products to Kenya **(3mks)**

2(a). Give two ways in which fertility influence population **(2mks)**

(b) State three consequences of high population growth rate **(3mks)**

3 The sketch map below shows the Great Lakes and ST. Lawrence Seaway. Use it to answer question a
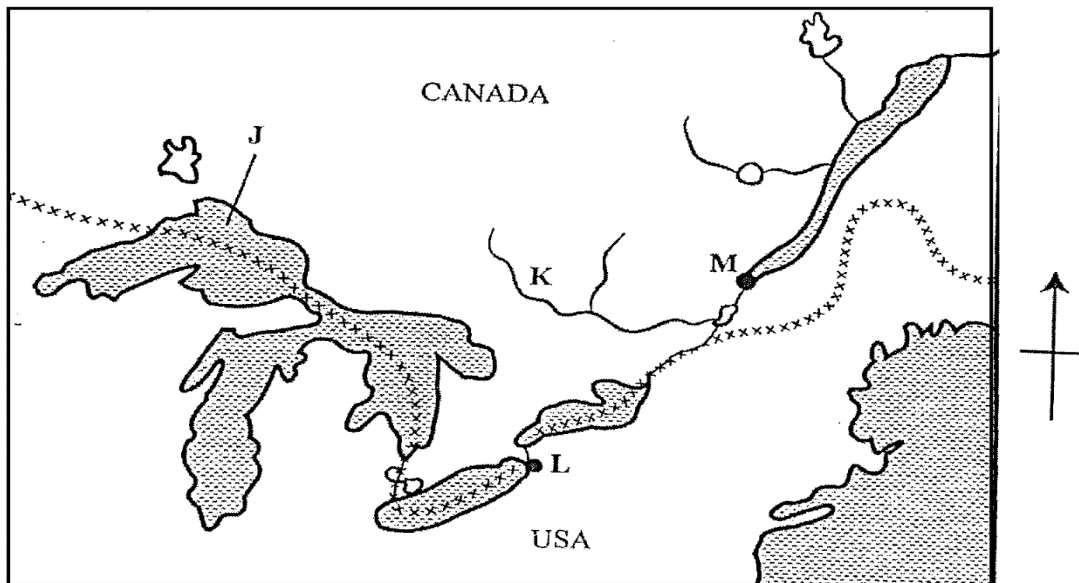
 (a) Name;

 (i) The lake marked J **(1mk)**

 (ii)The river marked K **(1mk)**

 (iii) the port marked L and M **(2mks)**

 (b) Give two reasons why it is difficult to transport goods from Mombasa to Lagos by road

 (2mks)

4(a). What is geothermal power? **(2mks)**

(b) Name two areas in Kenya which is potential for producing geothermal power **(2mks)**

5(a) Give two causes of floods **(2mks)**

(b) State three measures which can be undertaken to reduce the destruction caused by floods**(3mks)**

SECTION B
Answer question 6 and any other two questions in this section

6. The table below shows the value in terms of billions US Dollars of Kenya's Import and Export between the year 2003 and 2008. Use it to answer the questions bellow

Years	Value in Billion US Dollars	
	Imports	Exports
2003	3.00	2.10
2004	3.70	2.50
2005	4.10	2.58
2006	5.10	3.17
2007	6.60	3.60
2008	8.54	4.10
TOTAL	31.04	18.05

Value of Kenya's Import and Export

(a). (i) Calculate the balance of payment in the year 2008 **(2mks)**

(ii) Using a scale of 1cm to represent 0.5 billion, draw a simple comparative bar graph on the data above from the year 2005 to 2008 **(8mks)**

(iii) A part from comparative bar graph, name two other methods that can be used to represent the above data **(2mks)**

(iv) State two reasons why Kenya's export is generally low **(2mks)**

(b) (i) List three major imports to Kenya from Japan **(3mks)**

(ii) Explain four measures the Kenyan government is taking to reduce the unfavorable balance of trade **(8mks)**

7. (a) (i) State four characteristics of nomadic pastoralism **(4mks)**

 (ii) Name three beef cattle breeds kept in Kenya **(3mks)**

(b) Compare beef farming in Kenya and Argentina **(8mks)**

(c) Explain three problems facing beef farming in Kenya **(6mks)**

(d) State four measures that the government of Kenya has taken to improve beef farming **(4mks)**

8 (a) Distinguish between an urban settlement and rural settlement **(2mks)**

(b)State two factors which influence the development of each the following patterns of settlement **(2mks)**

 (i) Dispersed settlement pattern **(2mks)**

 (ii) Linear settlement pattern **(2mks)**

(c) Explain four factors that influenced the location of Mombasa town **(8mks)**

(d) (i) Outline four ways in which the port of Mombasa and Rotterdam differ **(8mks)**

(ii) State three benefits of urbanization **(3mks)**

9 (a) (i) What is domestic tourism **(2mks)**

(ii)Explain four factors which are hindering domestic tourism in Kenya **(8mks)**

(b) State five reasons why domestic tourism should be encouraged in Kenya **(5mks)**

(c)Explain three factors which have made Switzerland a major tourist destination in Europe **(6mks)**

(d)State four problems associated with tourism in Kenya **(4mks)**

10. The map below shows some location of some minerals in East Africa
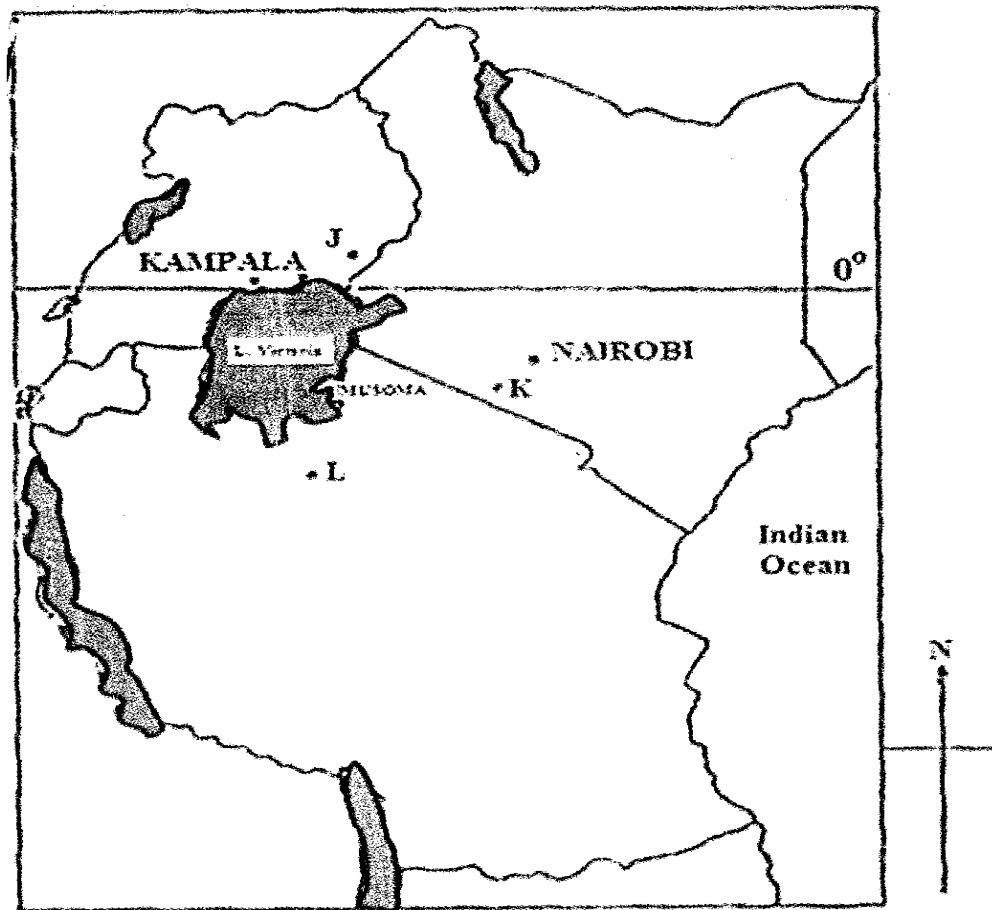
(a) Name the minerals mined in the area marked J, K and L. **(3mks)**

(b)(i) Identify two provinces where gold is mined in South Africa **(2mks)**

(ii) Describe the processing of gold from the time the ore is lifted to the surface **(5mks)**

(c) Explain four contribution of gold to South Africa **(8mks)**

(d) State three problems of diamond mining in South Africa **(3mks)**

(e) Explain two effects of mining on the environment **(4mks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 6
312/1
GEOGRAPHY

PAPER 1
TIME: 2¾ HOURS

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FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION A
Answer All Questions In This Section

1. a) Define the term Geography   **(2mks)**

   b) What is the relationship between Geography and Biology   **(2mks)**

2. a) Use the diagram below to answer the following questions
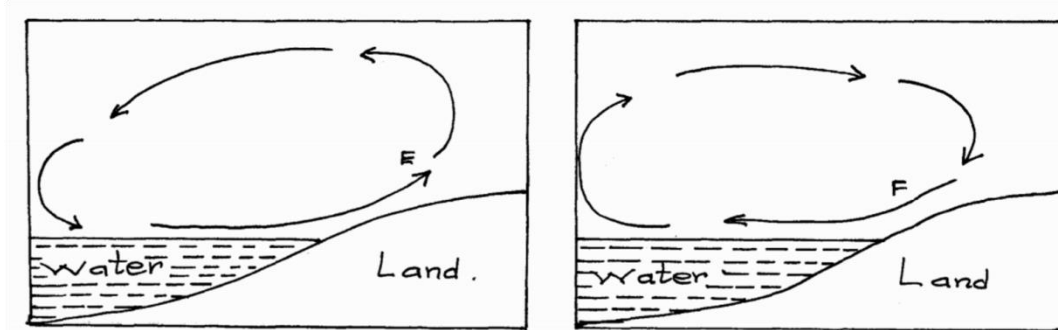
i) Name the air currents marked E.   **(1mk)**

ii) Why does the air current marked F flow at night.   **(3mks)**

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

3. (a) Define folding**.**   **(2mks)**

 b) List **four** types of folds.   **(4mks)**

4.) The diagram below illustrates a mass wasting process. Use it to answer question   (a) and (b)
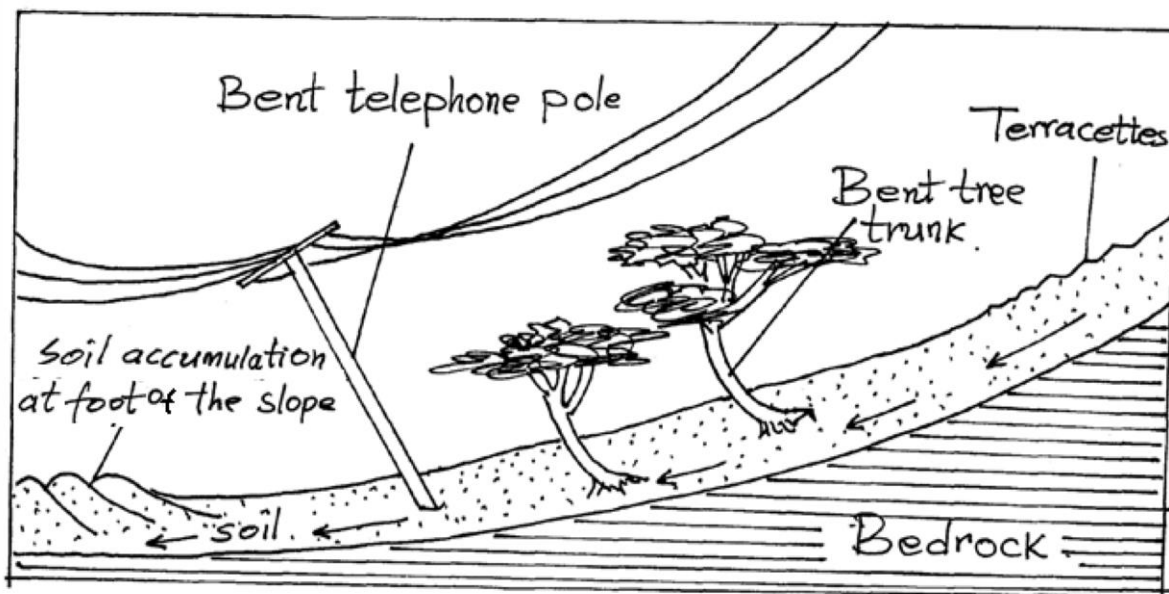
  a.) Identify the process.   **(1mk)**

   b.) Explain how the process occurs   .   **(3mks)**

5. a.) What is a river profile?   **(2mks)**

 b.) Name the **three** stages of a river profile.   **(3mks)**

SECTION B

ANSWER QUESTION 6 AND OTHER TWO QUESTION FROM THIS SECTION

6. Study the map of TAMBACH [Sheet no.90/3] provided and answer the following

questions.

.[a][i] What type of map is Tambach?   **(1 mk)**

[ii] What is the contour interval of the map?   **(1 mk)**

b.   [i] What is the six-figure grid reference of the air photo principal 15/KE/37/079/?

[2mks]

[ii] What is the direction of cattle dip on grid 8470 from air photo principal 15/KE/37/082?

[2mks]

[iii] What is the bearing of air photo principal point at grid square 0180 from the

trigonometrical   station   at grid square 0475?   **[2mks]**

c   [i] what is the longitudinal and latitudal extend of the area covered by the map. **[2mks]**

[ii] Calculate the area of the planted forest at Kapchemutwa. Give your answer in square

Kilometres.

[iii] Name two drainage patterns found in the area covered by the map.   **[2mks]**

d.[i] Citing evidence from the map, explain three factors favoring livestock production. **[6mks]**

[ii] Draw a rectangle 12cm by 8cm to represent the area bound by easting   **[6mks]**

89 and 98 and   [6mks]

northings 69 and 75. On the rectangle mark and name the following:

i. River Kerio.

ii. Dry weather road.

iii.   Air photo principal 7

iv.   Seasonal swamp.

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

ii) Give **two** ways of classifying rocks   **(2mks)**

b) Describe the following characteristic of **minerals**   **(6mks)**

- Lustre
- Colour
- Hardness

ii.) Give the changes that occur on sedimentary rocks when subjected to intense heat and pressure

(4mks)

c. i) State the condition necessary for the growth of coral   **(3mks)**

ii.) Describe how coral rocks are formed   **(4mks)**

d.)You are planning to carry out a field study on rocks

i.) List **two** methods of recording data you are likely to use   **(2mks)**

ii.)Give **two** follow up activities of your study   **(2mks)**

8. a.) What is Vulcanicity (**2mks**)

 b.) i) Apart from Sill name other intrusive Volcanic features (**3mks**)

 ii.)   Describe how the following features are formed

   -A sill. (**5mks**)

  -Hot spring. (**5mks**)

  iii) Differentiate between lava and magma. (**2mks**)

iv.) Explain four negative effects of vulcanicity. (**8mks**)

9. a.) i) What is the process through which wave transport the eroded materials along

the coast. (**1mk**)

 ii.) Give **three** factors that influence wave deposition. (**3mks**)

 b i.) Name **two** types of submerged coast. (**2mks**)

 ii.) State **three** characteristic of emerged highland coast. (**3mks**)

c.) By the use of well labeled diagrams, describe the formation of a spit. (**7mks**)

 d.) Student from Moi secondary school are planning to conduct a field study on wave erosional

  features to areas along the coast.

 i.)Give **three** activities they will undertake while in the field. (**3mks**)

ii.) Name **three** erosional features they are likely to identify. (**3mks**)

iii.) Outline three problems they are likely to face while in the field. (**3mks**)

10. a (i) Identify **two** processes in which ice erodes (**2mks**)

ii.) Name **four** types of glacial moraine (**4mks**)

b.) Give **three** ways in which ice moves (**3mks**)

  c.) i) Apart from Arêtes, identify three other ice erosional features in highland areas

(**3mks**)

 ii.)Describe how an Arêtes is formed (**5mks**)

d) Explain the significance of upland glaciated features to human activities (**8mks**)

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 6
312/2
GEOGRAPHY

PAPER 2
TIME: 2¾ HOURS

NAME……………………………………………………………………………

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Kenya Certificate of Secondary Education.

INSTRUCTIONS TO CANDIDATES

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- *In section **B,** answer **questions 6** and any other **TWO** questions.*

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FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION A (25 Marks)

(Answer all questions)

1. (a) Name **two** exotic breeds of dairy cattle reared in Kenya. **(2mks)**

(b) State **three** physical conditions that favour dairy farming in Denmark. **(3mks)**

2. (a) State **two** climatic conditions that favour the growing of oil palm in Nigeria. **(2mks)**

(b) Give **two** problems experienced in the marketing of palm oil in Nigeria. **(2mks)**

3. The table below shows petroleum production in thousand barrels per day for countries in the Middle East. Use it to answer question (a)

Country	Production in '000' barrels
Iran	3,800
Kuwait	2,550
Qatar	800
Saudi Arabia	9,600
United Arab Emirates	2,000
Iraq	1,900

(a) (i) What is the difference in production between the highest and the lowest producer? **(1mk)**

(ii) What is the total amount of petroleum produced in the Middle East region? **(2mks)**

(c) State **three** conditions that are necessary for the formation of petroleum. **(3mks)**

4. Below is a sketch map showing part of the Great Lakes and St. Lawrence Sea Way. Use it to answer question (a)
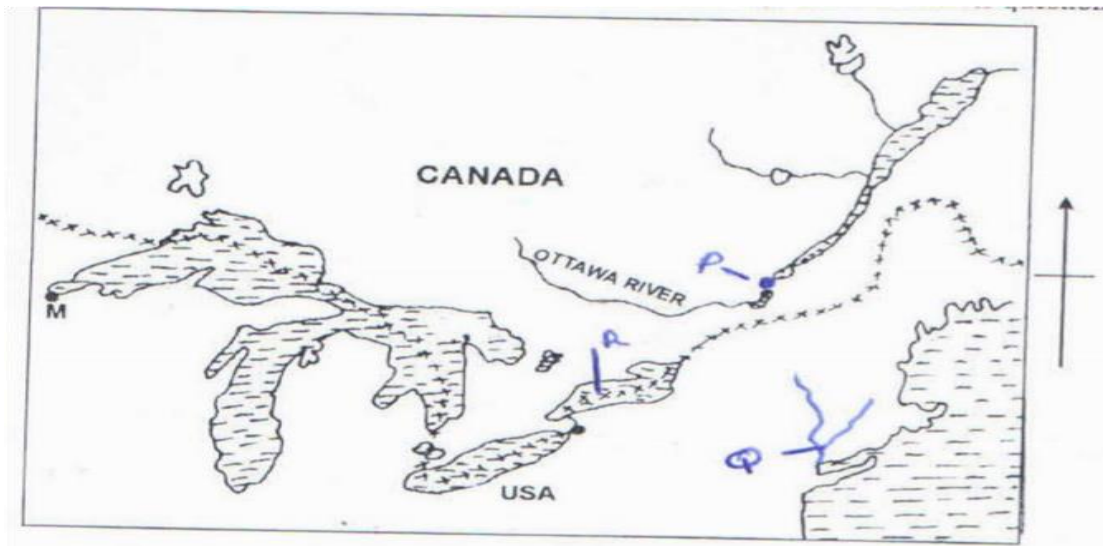
(a) Name

(i) The port marked P. **(1mk)**

(ii) The canal marked Q. **(1mk)**

(iii)   The lake marked R. **(1mk)**

(c)State **three** ways in which great lakes and St. Lawrence Sea Way has contributed to the growth of industries in the region. **(3mks)**

5. (a) Apart from HIV and AIDS, give other causes of mortality in East Africa.

(c) State **two** ways in which the spread of HIV and AIDS in Kenya may slow down economic development.

SECTION B (75 MARKS)

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

6. Study the table below and answer the questions that follow.

	1990	1991	1992	1993
Galloway	20,000	15,000	18,000	19,000
Aberdeen Angus	15,000	10,000	11,000	9,000
Jersey	9,000	5,000	9,000	12,000
Ayrshire	14,000	20,000	15,000	17,000
Boran bulls	35,000	20,000	25,000	30,000
Friesian	25,000	20,000	15,000	17,000

a) i) Using a vertical scale of 1cm represent 10,000 cattle draw a cumulative bar graph to represent the above data from 1990 to 1993. **(8 marks)**

ii) State **two** advantages of using the above method to present data**.** **(2 marks)**

b) i) Apart from Mwea Tebere irrigation scheme, name two other irrigation schemes in Kenya.

(2 marks)

ii) State **three** physical factors that influenced the location of Mwea Tebere irrigation scheme.

(3 marks)

 c) i) Give **four** human problems facing the irrigation schemes in Kenya**.** **(4 marks)**

ii) Explain **three** ways in which irrigation farming is of significance in Kenya. **(6 marks)**

7. (a)(i) Name **three** places in Kenya where Limestone is mined. **(3mks)**

(ii) State **two** uses of trona? **(2mks)**

(b)(i) The diagram below shows shaft mining. Name the parts marked E, F and G. **(3mks)**
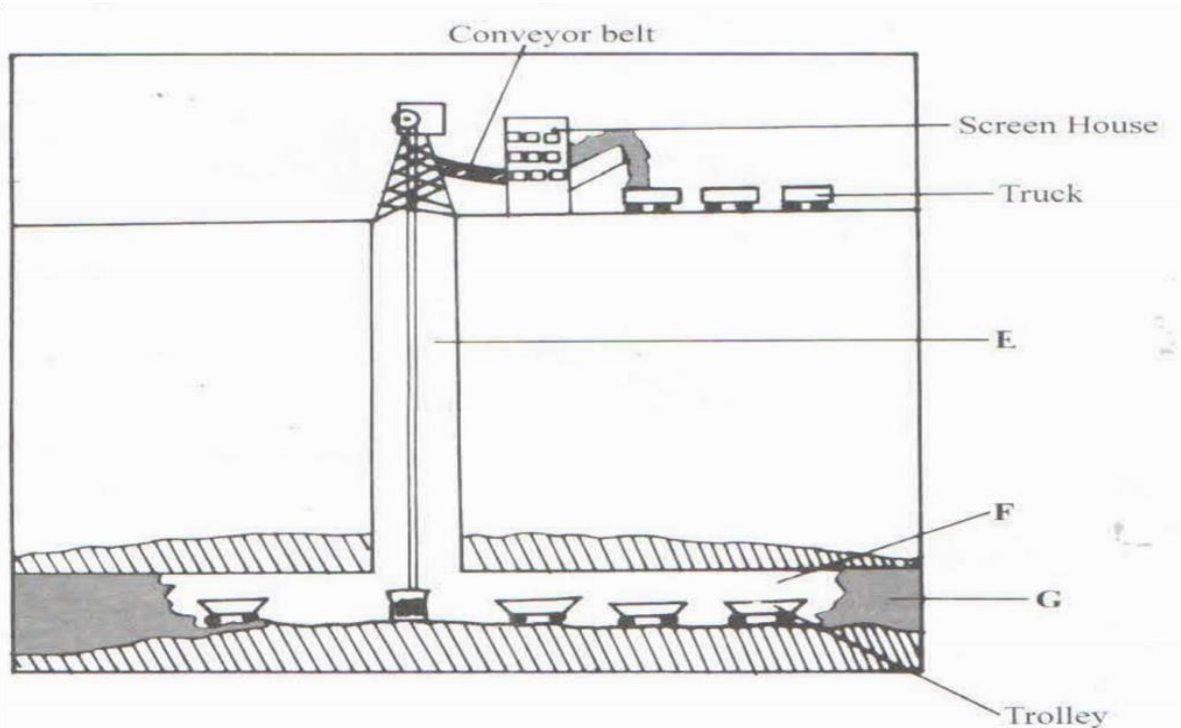
(ii) State **two** problems associated with shaft mining. **(2mks)**

(c)Explain **four** ways in which gold mining has contributed to the economy of South Africa. **(8mks)**

(d)   Explain **three** negative effects of mining on the environment. **(6mks)**

8. a) i) Differentiate between renewable and non-renewable source of energy**.** **(2marks)**

ii) Name **three** renewable sources of energy apart from geothermal steam**.** **(3 marks)**

b) i) State **four** advantages of using geothermal energy as a source of power in Kenya**.(4 marks)**

ii) State **four** main causes of energy crisis in the world**.** **(4 marks)**

c) Explain **three** ways in which Kenya has benefited from the development of hydroelectric power scheme **(6 marks)**

d) Explain **three** measures taken by the government of Kenya to conserve **energy** **(6mks)**

9. a) Distinguish between manufacturing and tertiary industries. **(2 marks)**

b) i) Name **four** agricultural food processing industries in Kenya. **(4 marks)**

ii) Explain **four** factors that influenced the location of iron and steel industries in the Ruhr region of Germany. **(8 marks)**

c) Give **five** reasons why the government of Kenya encourages the establishment of Jua Kali industries. **(5 marks)**

d) You intend to carry out a field study in a coffee factory near your school.

i) State **three** reasons why you would visit the area of study in advance. **(3 marks)**

ii) You have prepared a work schedule for your study. State three items you would include in your schedule. **(3 marks)**

10. The map below shows the location of some urban centres in East Africa. Use it to answer question (a).
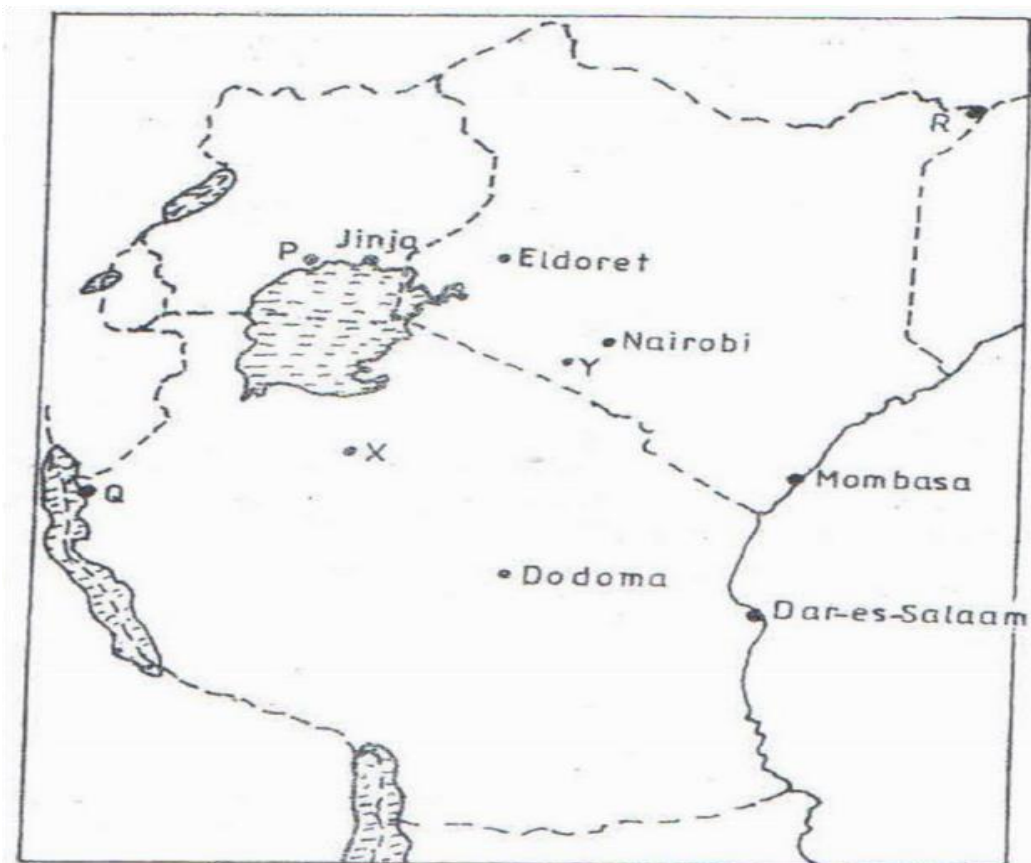
(a) (i) Name the town marked P,Q and R.   **(3mks)**

(ii) Name the minerals that influenced the growth of the town marked X and Y.   **(2mks)**

(b)   Explain **four** factors that have led to the growth of Eldoret as a major town in Kenya.**(8mks**

(c)   Compare the ports of Mombasa and Rotterdam under the following headings

(i) Site   **(2mks)**

(ii)   The hinterland.   **(2mks)**

(iii)   Transport links to the interior.   **(2mks)**

(iv)   Port facilities.   **(2mks)**

(d)   Explain **two** negative effects of urbanization on the neighboring agricultural areas. **(4mks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 7
312/1
GEOGRAPHY

PAPER 1
TIME: 2¾ HOURS

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Kenya Certificate of Secondary Education.

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FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION A

1. (a) Apart from the Sun and the planets, give **two** other heavenly bodies found in the solar system. **(2 marks)**

(b) State **three** characteristics of the earth's crust. **(3 marks)**

2. (a) Define the term weather. **(2 marks)**

(b) List **two** types of rainfall common in Kenya. **(2 marks)**

3. (a) Name **two** parts of Africa that experience equatorial climate. **(2 marks)**

(b) List **three** major climatic regions of Kenya. **(3 marks)**

4. (a) Give **two** categories of lakes formed due to earth movements. **(2 marks)**

(b) State **three** conditions necessary for the formation of ox-bow lakes. **(3 marks)**

5. The diagram below shows an extrusive volcanic feature.
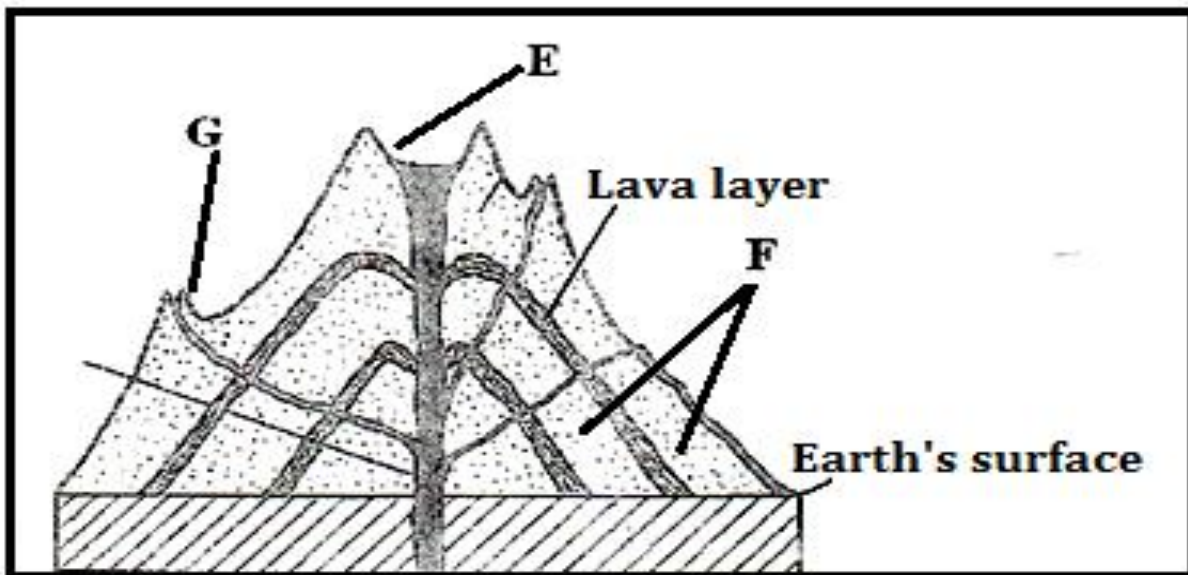
(a) Identify the parts marked E, F and G. **(3 marks)**

(b) Outline **three** ways in which a caldera may be formed. **(3 marks)**

SECTION B

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

6. Study the map of Mumias 1:50,000 (sheet 101/2) provided and answer the following questions.

a. Identify the adjoining sheet Index to the South of the map. **(1mk)**

b. Convert the map linear scale (km) into a statement scale. **(2mks)**

c. Calculate the bearing of Indangalasia school from the air photo principal point at grid square **5333**. **(2mks)**

d. Identify three physical features in grid square **5130**. **(3mks)**

e. Describe the characteristics of River Nzoia. **(4mks)**

f. Citing evidence from the map, identify **two** social functions of the area covered by the map.

(4mks)

g. Using a scale of 1 cm to represent 20M, draw a cross-section from grid reference **600320** to **650320** along northing **32**. **(4mks)**

(i) On it mark and label the following. **(3mks)**

- Road C532
- River wanamanda
- Road C533

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

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

(b)(i) Name **five** types of folds. **(5 marks)**

(ii) With the aid of well labelled diagrams, describe how Fold Mountains were formed.

(10 marks)

(c) Explain **four** economic importance Fold Mountains to people. **(8 marks)**

8. (a) **(i)**Define the term earthquake. **(2 marks)**

(ii) The diagram below shows the occurrence of an earthquake. Name the parts marked A, B, and C.

(3 marks)
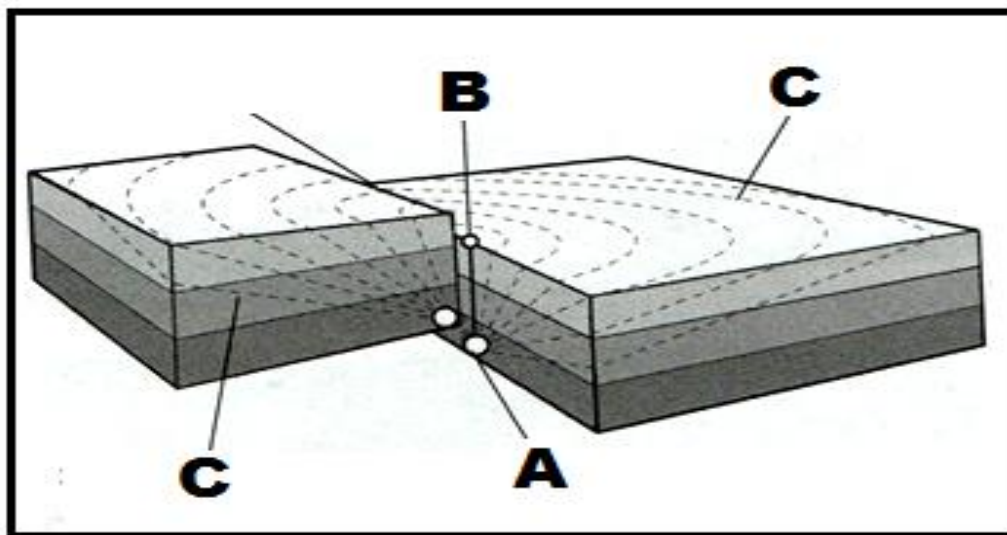
(b) **(i)**Apart from the movement of tectonic plates, outline **four** other natural causes of earthquakes. **(4 marks)**

(ii) Explain **two** ways in which movement of tectonic plates causes earthquakes. **(4 marks)**

**(c)**State **three** differences between the intensity and magnitude of an earthquake. **(6 marks)**

(d) Explain **three** effects of earthquakes in built up areas. **(6 marks)**

KCSE Predictions Marking Schemes - 0746 222 000 / 0742 999 000

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

(ii)   List **three** types of river erosion.   **(3 marks)**

(b)   Explain **four** ways through which a gorge may be formed.   **(8 marks)**

(c)   Explain the following drainage systems.

   (i)   Accordant drainage.   **(2 marks)**

   (iii) Back tilted drainage.   **(2 marks)**

(d) Suppose you were to carry out a field study along the lower course of a major river.

 (i) State **five** reasons why it is important to conduct a pre-visit to the area of study.   **(5 marks)**

 (ii) State **three** follow –up activities that you would do after the study.   **(3 marks)**

10.   The diagram below shows some features that form ocean topography.
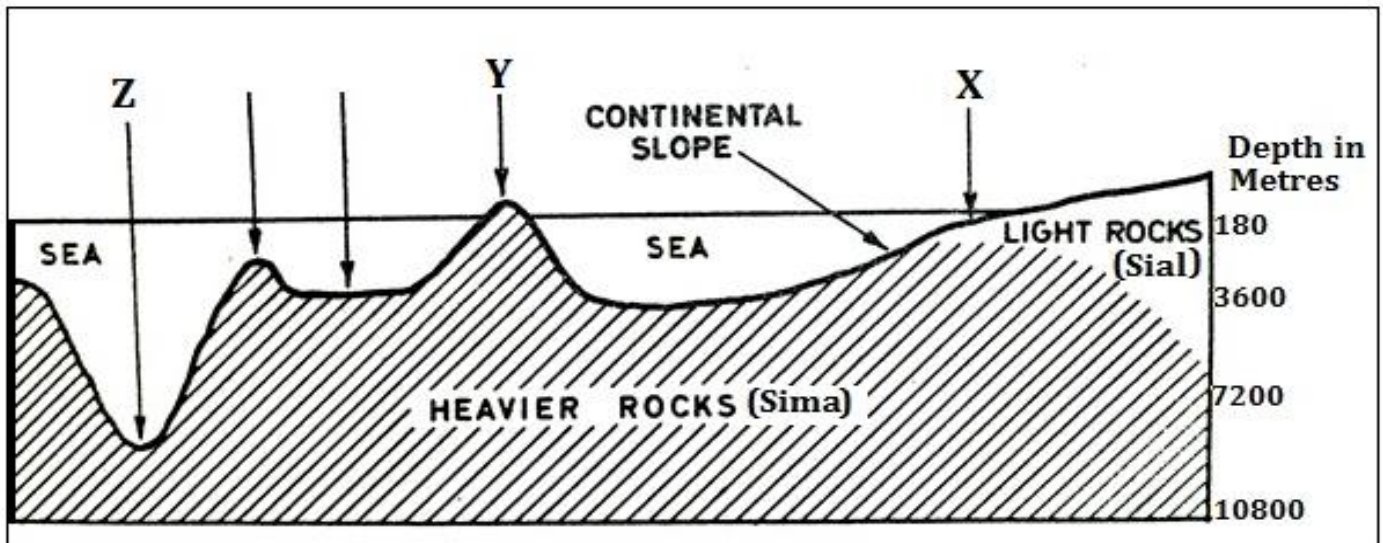
(a)(i) Identify the features marked X, Y and Z.   **(3 marks)**

(ii) State **three** sources of salt in ocean water.   **(3 marks)**

(b) Explain how the following factors influence the rate of wave erosion:

 (i)   Gradient of the coast.   **(2 marks)**

 (ii)   Nature of coastal rocks.   **(2 marks)**

 (ii)   Size of waves.   **(2 marks)**

 (c)   Describe how a cave is formed at the coast.   **(5 marks)**

 (d)   Explain **four** economic importance of coastal features.   **(8 marks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 7
312/2
GEOGRAPHY

PAPER 2
TIME: 2¾ HOURS

NAME…………………………………………………………………………………

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A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION A

1. (a) List the **two** types of environment. **(2 marks)**

(b) Explain how Geography is related to economics. **(2 marks)**

2

. (a) Name **two** main indigenous breeds of beef cattle reared in Kenya. **(2 marks)**

(b) **State three** ways in which government policy influences agriculture in Kenya.**(3 marks)**

3. The diagram below some national parks in East Africa. Name the parks marked **A, B, C and D.**

(4 marks)
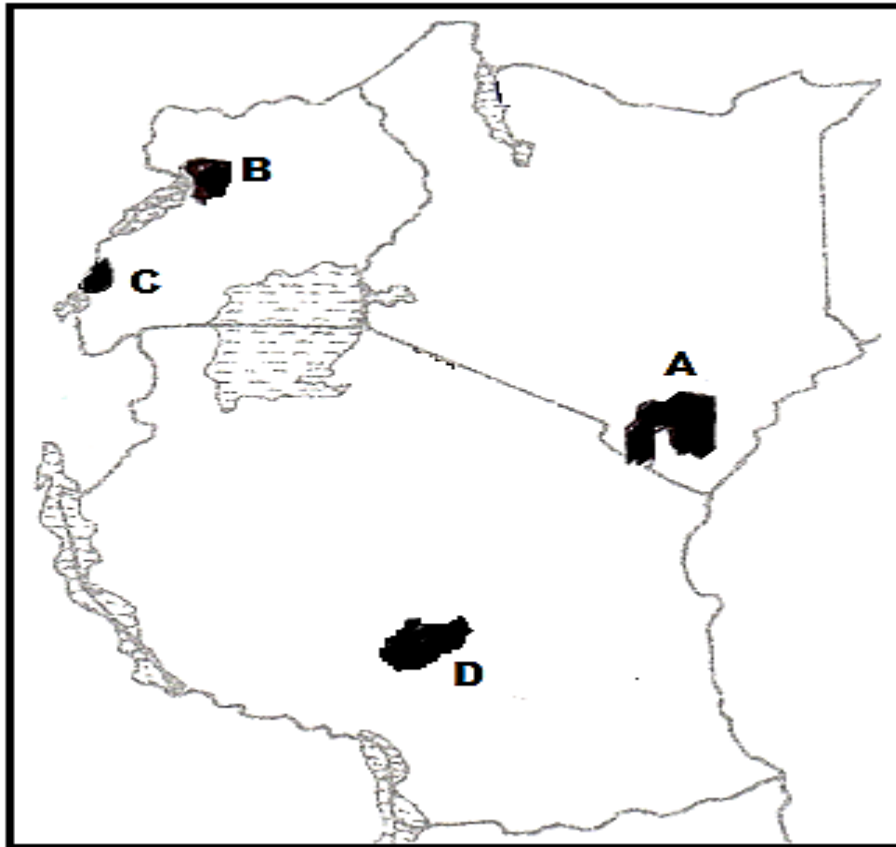
4. (a) Give **two** main projects through which land was reclaimed in the Netherlands. **(2 marks)**

(b) State **four** benefits that resulted in the reclamation of the Yala swamp in Kenya. **(4 marks)**

5. (a) State **three** physical factors favouring coffee farming in Brazil. **(3 marks)**

(b) Give **three** similarities between coffee farming in Kenya and in Brazil. **(3 marks)**

SECTION B

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

(a)   **(i)**Identify the type of photograph provided.   **(1 mark)**

(ii)   Give **two** reasons for your answer in (a)(i) above.   **(2 marks)**

(iii)   Identify the main activity shown on the photograph.   **(1 mark)**

(b)   **(i)**Draw a rectangle 15 cm by 10 cm to represent the area covered by the photograph.

     (1 mark)

(ii) On the rectangle, sketch and label **five** human made features.   **(5 marks)**

(c)   **(i)**State **five** reasons why river transport is poorly developed in Africa.   **(5 marks)**

     (ii) Explain **five** measures taken to solve transport and communication problems in

     Africa.   **(10 marks)**

7. (a)(i) Define the term mining.   **(1 mark)**

     (ii)Give four factors that the occurrence of minerals.   **(4 marks)**

(b) Explain **three** ways in which mining activities cause pollution.   **(6 marks)**

(c) Describe the stages involved in gold processing in South Africa   **(6 marks)**

(d) Explain **four** problems facing the gold mining industry in South Africa   **(8 marks)**

8. **(a)** What is unfavourable balance of payments? **(2 marks)**

   (b) Name **three** major imports to Kenya from the Far East Asia. **(3 marks)**

   (c) Explain **four** benefits of international trade to Kenya. **(8 marks)**

   (d)(i) State **four** objectives of ECOWAS. **(4 marks)**

   (ii) Explain **four** problems facing regional trading blocs in Africa. **(8 marks)**

9. **(a)(i)** What is a Census? **(2 marks)**

(ii)   State **four** reasons why a census is important to Kenya **(4 marks)**

(b)   Explain **four** positive effects of high population growth to a country. **(8 marks)**

(c)   Explain **three** causes of a reduced fertility rate in Kenya **(6 marks)**

(d)   State **five** differences between Kenya's population and that of Sweden. **(5 marks)**

10.**(a)** **(i)** Define the term urbanization. **(2 marks)**

   (ii) List the **three** functional zones of an ideal urban centre. **(3 marks)**

   (b)   Explain **four** physical factors that influence settlement. **(8 marks)**

   (c)   Explain **four** factors that have led to the growth of Rotterdam as a large port.**(8 marks)**

   (d)   State **four** similarities in the functions of Nairobi and New York cities. **(4 marks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 8
312/1
GEOGRAPHY

PAPER 1
TIME: 2¾ HOURS

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B	6	25	
		25	
		25	

SECTION A

Answer all the questions in this section

1 a) Give the forces which have contributed to the geoid shape of the Earth **3 marks)**

  b) Name the minerals that make up the core of the Earth **2 marks)**

2 a) Give **three** causes of earthquakes **3 marks)**

  b) Name **two** major earthquakes zones of the world **2 marks)**

3 a) Apart from aspect, list **three** other factors that influence the distribution of natural vegetation

(3 marks)

  b) State **two** ways through which aspect influences the distribution of natural vegetation**(2 mks)**

4 a) State **three** conditions necessary for the development of Karst scenery **3 marks)**

  b) Give **two** reasons why there are few settlements in Karst landscapes **2 marks)**

5 a) Give **two** causes of river rejuvenation **2 marks)**

  b) Identify **three** features that result from river rejuvenation **3 marks)**

SECTION B

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

6 Study the map of MUMIAS (1:50,000, sheet 101/2) provided and use it to answer the following questions.

a) i) What type of map is Mumias map extract? **(1 mark)**

ii) Give the magnetic declination of the map as at 1965. **(2 marks)**

iii) Identify any two districts covered by the map. **(2 marks)**

b) i) Name two human made features found in the grid square 6132. **(2 marks)**

ii) What is the bearing of Bumala Dam from the Trigonometrical station-Other, 101 T 6 found in the Northern part of the map? **(2 marks)**

iii) Measure the length of the Dry weather road found in the North Western part of the area covered by the map. **(2 marks)**

c) i) Using a scale of 1cm to represent 20 m, draw a cross-section from grid reference 610310 to 650350. **(3 marks)**

ii) On the cross-section mark and name:

- River Lusimu **(1 mark)**
- Woodland **(1 mark)**
- All weather road – loose surface **(1 mark)**

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

d) i) Identify two social services offered in the area covered by the map. **(2 marks)**

ii) Describe the drainage of the area covered by the map. **(4 marks)**

7 a) i) What is a rock? **(2 marks)**

 ii) Give **two** examples of plutonic igneous rocks **(2 marks)**

b) Describe the processes of formation of each of the following types of sedimentary rocks:

 i) Mechanically formed **(4 marks)**

   ii) Organically formed **(4 marks)**

c) State five characteristics of rocks **(5 marks)**

d) You are planning to carry out a field study on rocks within the local environment.

i) List **three** methods you would use to collect data **(3 marks)**

ii)State **three** problems you are likely to encounter during the study. **(3 marks)**

iii)Give **two** economic uses of rocks. **(2 marks)**

8. a) i) Apart from an over thrust fold, name **three** other types of folds **(3 marks)**

ii) Describe the formation of an over thrust fold **(6 marks)**

b) i) Name the young fold mountains found in the following continents

- Africa **(1 mark)**
- Europe **(1 mark)**
- Asia **(1 mark)**
- North America **(1 mark)**

ii) Apart from Fold Mountains, name four other features resulting from folding. **(4 marks)**

 c) Explain **four** effects of folding on physical **environment** **(8 marks)**

9 a) i) Define an ocean **(2 marks)**

ii) Explain the **three** causes of variation in the amount of salt in ocean water **(6 marks)**

b) i) Identify **three** processes involved with wave erosion **(3 marks)**

ii) With the aid of well labelled diagrams, describe the process through which a wave cut platform is formed **(8 marks)**

c) You intend to carry out a field study on types of features resulting from wave deposition along the coast

i) Identify **three** methods you would use to record data **3 marks)**

ii) Give **three** depositional features you are likely to observe during field study **3 marks)**

10 a) i) What is soil structure **2 marks)**

ii) Explain how the following factors influence soil formation

• Time **2 marks)**

• Parent rock **2 marks)**

b) Describe the following properties of soil

• Soil texture **2 marks)**

• Soil porosity **2 marks)**

• Soil colour **2 marks)**

c) State **four** negative effects of soil erosion **4 marks)**

d) You are planning to carry out field study on soil around your school

i) State **four** preparations that you will make for the study **4 marks)**

ii) Give **three** reasons why it is important to study soils through the field study **3 marks)**

THE END

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 8
312/2
GEOGRAPHY

PAPER 2
TIME: 2¾ HOURS

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		25	
		25	

1. State **four** characteristics of shifting cultivation **(4mks)**

2. Give the difference between softwood forests in Kenya and Canada under the following sub-headings.

(a)   Distribution of softwood forests: **(2mks)**

(b)   Transportation of the logs: **(2mks)**

3. (a) Differentiate 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)   Fluctuating water levels in the irrigation canals **(2MKS)**

4. Give **five** reasons why it is necessary to conserve wildlife in Kenya **(5mks)**

5. (i) Name **three** main hydroelectric power stations along the river Tana **(3mks)**

ii) Apart from providing electric power, state **three** other benefits of the dams along the River Tana **(3mks)**

6. The table below shows the total number of dairy cattle reared in the Kenya Highlands in the years 2021 and 2022. Use it to answer to question (a)

Types of dairy cattle	2021	2022
Friesian	942000	965000
Ayrshire	120000	154000
Jersey	97000	128000
Guernsey	94000	103000
Fleckvieh/Simmental	19000	24000
Sahiwal	29000	41000

(a)   (i) State the type of the dairy cattle with highest increase between 2021 and **2022 (1mk)**

ii) Calculate the percentage increase of Friesian dairy cattle between 2021 and **2022 (2mks)**

iii)   Draw a divided rectangle 15 cm long to represent the data above for the year 2021 and show your calculations **(10mks)**

iv)   State **two** advantages of using divided rectangle to represent geographic data **(2mks)**

(b)   Explain **two** human factors that favor dairy farming in the Kenya Highlands **(4mks)**

c) Explain **three** ways in which dairy farming in Kenya is different from dairy farming in Denmark **(6MKS)**

7. (a) State **three** physical conditions that favor coffee growing in the Central Highlands of Kenya **(3mks)**

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

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

(d) Your geography class carried out a field study on a coffee farm

(i) State **four** methods the class may have used to collect data **(4mks)**

(ii)   During the field study the class collected data on quantities of coffee produced in the farm in the last five years. State two methods the class may have used to present the data. **(2mks)**

8. (a)

(i) What is visible trade? **(2mks)**

(ii) List **three** major imports to Kenya from Japan **(3mks)**

(b) Explain **four** factors that influence internal trade in Kenya **(8mks)**

(c) State **four** ways in which trade is of significance to Kenya **(4mks)**

(d) Explain **four** benefits which the member states of ECOWAS have derived from the creation of the trading bloc **(8mks)**

9. (a) State **three** factors that led to development of nucleated settlements patterns **(3mks)**

(b) Identify **three** differences in the functions of Nairobi and New York **(6mks)**

(c)Explain **four** economic factors that influence settlement **(8mks)**

(d) Describe **four** negative effects of urbanization **(8mks)**

10. (a)

(i) Give two documents from where information on population data is obtained **(2mks)**

(ii) Describe the characteristics of the population structure in Kenya **(3mks)**

(b) (i) In 1989, Kenya's population was 21.4 million while in 1999 it was 28.7 million.

Calculate the population growth rate over the 10-year period **(2MKS)**

(ii) Explain **two** factors which may have led to the large population increase **(4MKS)**

(c) Explain **three** consequences of high population growth **rate** **(6mks)**

(d) Explain **four** physical factors that influence population distribution in East Africa**.** **(8mks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 9
312/1
GEOGRAPHY

PAPER 1
TIME: 2¾ HOURS

NAME……………………………………………………………………………

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Kenya Certificate of Secondary Education.

INSTRUCTIONS TO CANDIDATES

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FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION A (25 Marks)

1. The diagram below represents movement of the earth. Use it to answer the following questions.
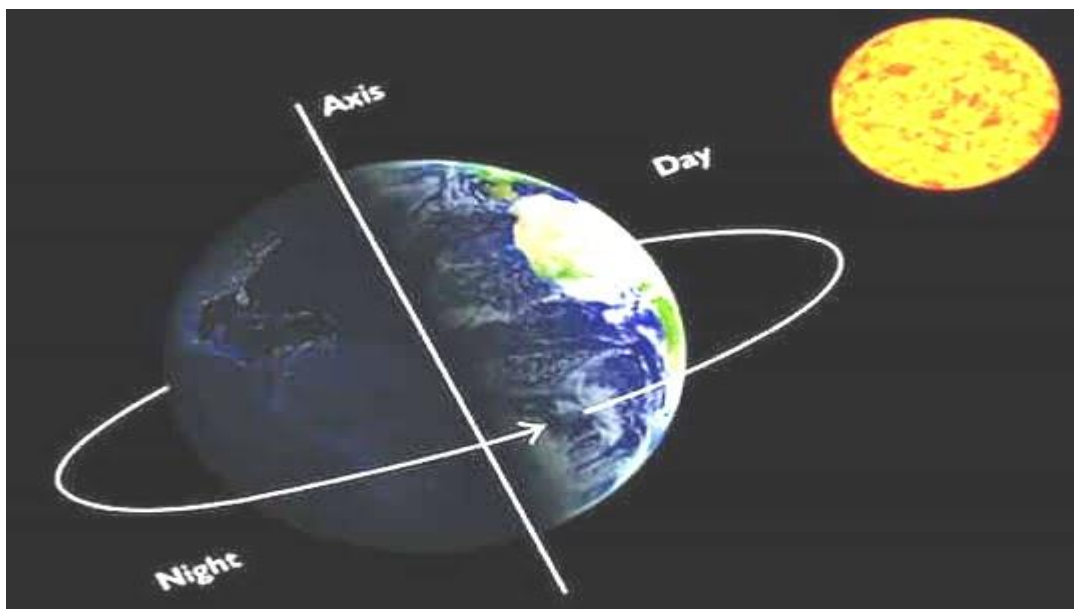
a. i. Identify the type of movement **(1mk)**

ii. Describe how the above movement causes day and night **(2mks)**

b. State three proofs that the shape of the earth is spherical **(3mks)**

2. The diagram below shows a simple hygrometer. Use it to answer questions.
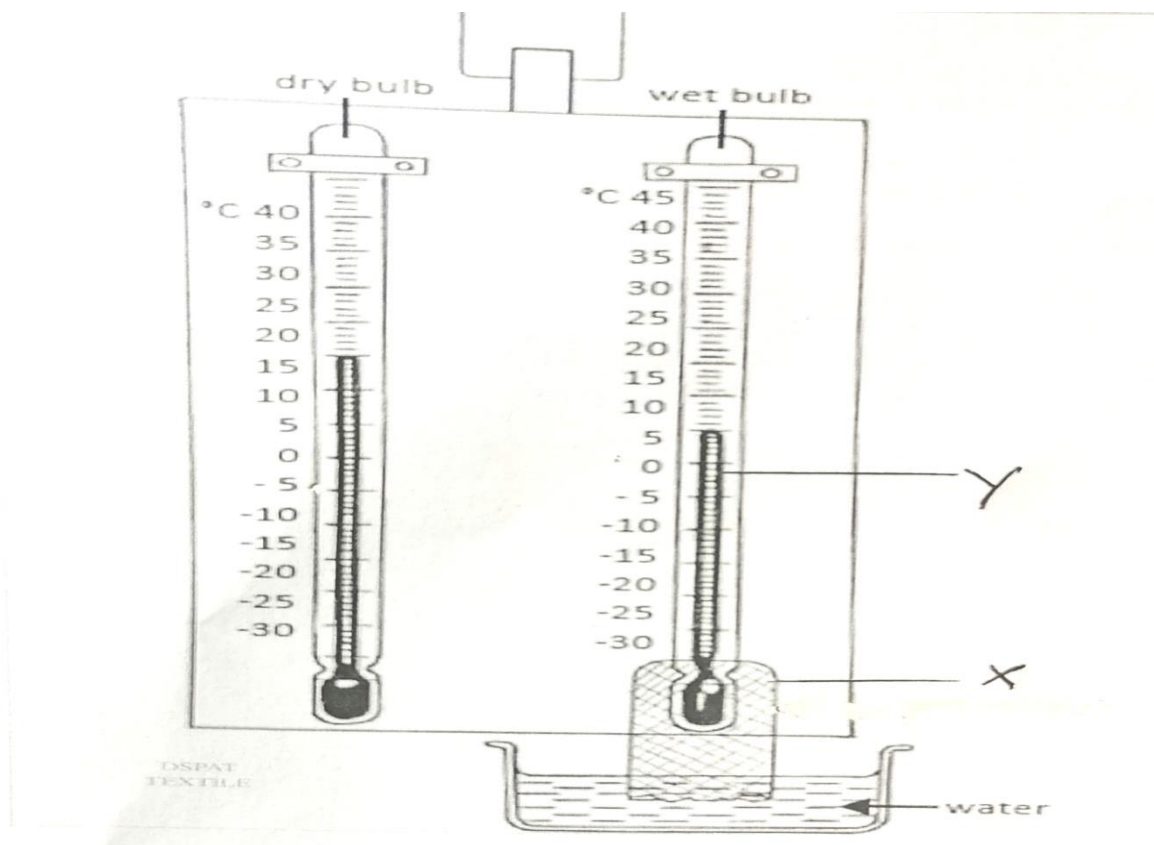
(a)   Identify the parts labelled X **and Y.**   **(2mks)**

(b)   Outline the steps followed when measuring humidity using hygrometer   **(3mks)**

3. (a) Differentiate between intensity of an earthquake and magnitude of an earthquake   **(2mks)**

(b)Name three major zones of the world.   **(3mks)**

4. (a)Name two lakes in East Africa which were formed as a result of crustal down **warping (2mks)**

(b)State three reasons why some lakes are salty.   **(3mks)**

5. (a) List two types of **dunes**   **(2mks)**

(b)Identify two processes through which wind transports materials in arid areas.   **(2mks)**

SECTION B. (75 Marks)

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

6. Study the map of Mumias Sheet 101/2 (1:50,000) provided and answer the questions that follow

a. **(i)** Give the six-figure grid reference of the road junction at Mayoni market   **(2mks)**

(ii) What is the longitudinal extent of the area covered by the map?   **(2mks)**

(iii) Other than provincial boundary, name one other type of administrative boundary used on the map   **(1mk)**

(iv) Measure the length, in kilometres, of the provincial boundary to the east of Easting 53

     (2mks)

b. i) Draw a rectangle measuring 10cm by 8cm to represent the area enclosed by Eastings 56 to 56 and Northings 28 to 36   **(1mk)**

ii) On the square that you have drawn, mark and name the following features

- River Lusumu   **(1mk)**
- Riverine vegetation   **(1mk)**
- Bulanda school   **(1mk)**

(iii) Calculate the new scale of the map that you have drawn   **(2mks**)

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

d. An all-weather bound surface is proposed to be constructed along Northing 29 to the West of Easting 52. Explain three factors which may make the construction of the road expensive

     (6mks)

7. (a) Differentiate between the process of formation of plutonic and volcanic rocks.   **(2mks)**

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

- Sand stone **(1mk)**
- Limestone **(1mk)**
- Clay   **(1mk)**

ii. Describe the process of formation of the following type of sedimentary rocks.

- Mechanically formed **(4mks)**
- Organically formed **(4mks)**

(c)   Explain the significance of rocks to the economy of Kenya under the following
   i. Tourism
   ii. Emergy
   iii. Water

(d)   You are planning to carry out a field study on rocks within the local environment.

   i.   List three methods you would use to record data**.** **(3mks)**

   ii. State three problems you are likely to **encounter** **(3mks)**

8. (a) i. Apart from fold mountains , name three other features resulting from folding **(3mks)**
ii.In which countries are the following fold mountains found.

- Andes
- Cape ranges
- Atlas

(b) The map below shows the location of some fold mountain ranges.

i.   Identify the orogenies during which the the mountains marked P, Q, R, S were formed**. (4mks)**
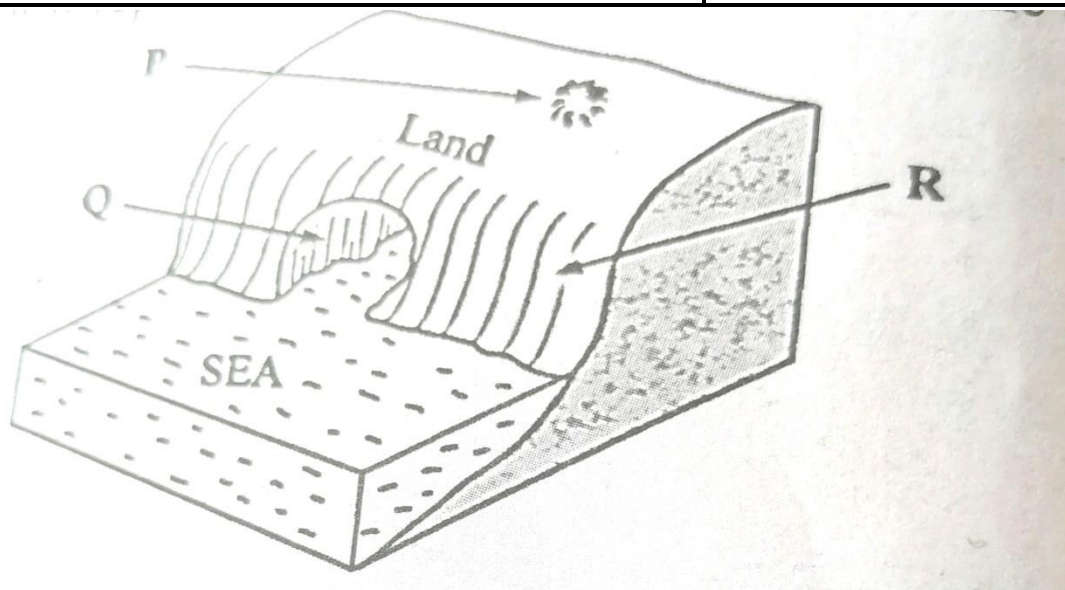
   (c) With the aid of a well labelled diagram, describe how the fold mountains were formed (**10mks**)

   (d) State five significance of fold mountains to human activities **(5mks)**

9. The map below shows some vegetation regions of the world. Use it to answer questions a to c.
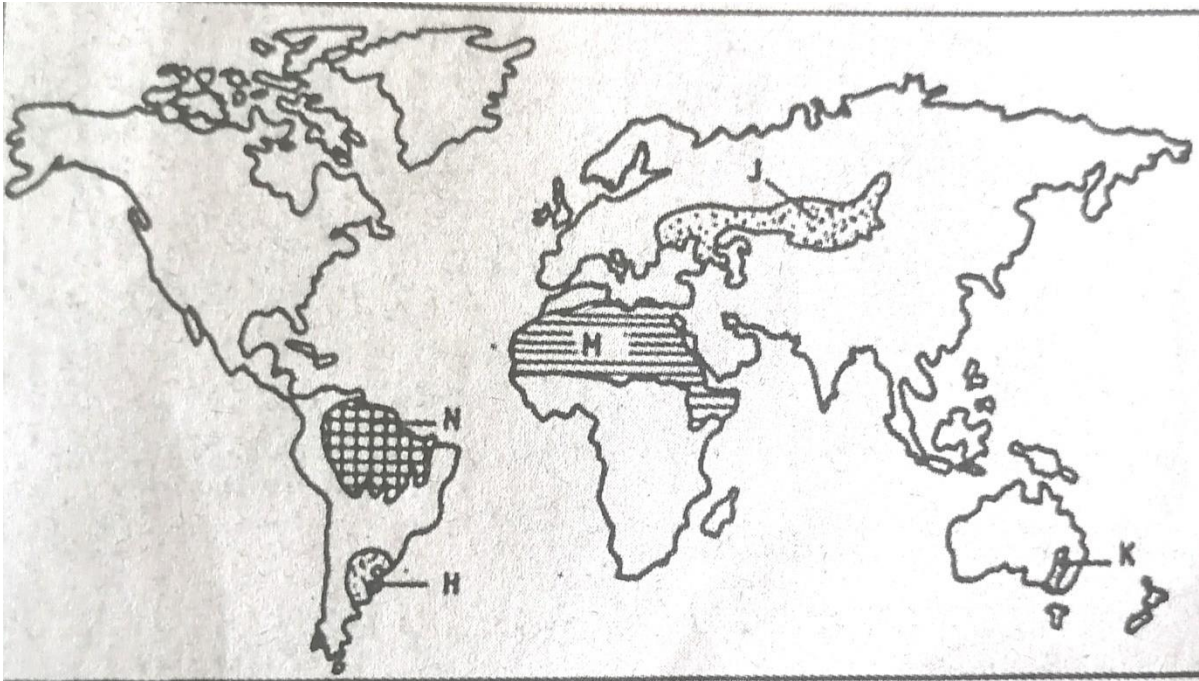
a) Name the temperate grasslands marked H,J and **K.** **(3mks)**

b) Describe the characteristics of the natural vegetation found in the shaded area marked **N. (6mks)**

c) i. Explain four ways in which the vegetation found in the area marked M adapts to the environmental conditions of the region **(8mks)**

ii. Give two reasons why Tundra region has scattered vegetation **(2mks)**

(d) You are required to carry out field study of the vegetation within the local environment.

i. Apart from identifying the different types of plants, state three other activities you will carry out during the field study. **(3mks)**

ii. How will you identify the different types of plants **(3mks)**

10. (a) i. Differentiate between a barrier reef and a fringing reef **(2mks)**

ii.The diagram below represents some coastal features . Name the features marked P, Q,R

(3mks)

iii. State two conditions necessary for the formation of a beach **(2mks)**

(b). With the aid of a well labelled diagram, describe the process through which a stack is formed **(8mks)**

(c) i.State four conditions that favour the growth of corals**.** **(4mks)**

ii. Explain three ways in which coral contributes to the economic development of Kenya **(6mks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 9
312/2
GEOGRAPHY

PAPER 2
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A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION   A
Answer All the questions in this section

1. a). Define the term Forestry   **(2marks)**

b). Give the reason why softwood forests in the Kenya Highlands mature faster than those in

   Canada.   **(2marks)**

c). Name the tree species that grows on the saline coastal **waters**   **(1mark)**

2. a). Identify **two** methods that are used to drain swamps in Kenya   **(2marks)**

b). Give **three** benefits of draining Yala swamp to the local community   **(3marks)**

3. a). Define the term green energy   **(2marks)**

b). Name **three** sources of Green Energy   **(3marks)**

4. a). Name **two** rivers in Africa, that are navigable   **(2marks)**

b). State **three** factors that have hindered river transport in **Africa**   **(3marks)**

5. a). Name **two** deciduous fruits grown in Kenya   **(1mark)**

b). State **three** reasons why horticulture farming is concentrate near **Naivasha**   **(3marks)**

SECTION B

Answer question 6 and two other questions from this section

6. Use the following table to answer questions 6(a) (i) and (ii)

Number of dairy animals in division x in the Kenyan highlands in 1982

BREED	NUMBER
Gursey	8442
Ayshire	7345
Jersey	10,830
Fresian	14,360
Sahiwal	4,270

a). (i) Using a scale of 1cm to represent 4000 animals represent the above data using a simple

   divided rectangle   **(8marks)**

(ii). Give **three** advantages of using divided rectangles to represent data   **(3marks)**

(iii). State **three** advantages of using artificial insemination in cattle breeding   **(3marks)**

 b). Give **three** characteristics of each of the following types of farming.

(i) Subsistence farming   **(3marks)**

(ii) Extensive farming   **(3marks)**

 c). State **five** human factors that favour beef farming in Argentina   **(5marks)**

7.(a) (i) Differentiate the term veins from Lodes in mining   **(2marks)**

 (ii) State the reason why mining is called a Robber Industry   **(2marks)**

(b) (i) Fill in the table below on Kenyan minerals(in your answer booklet)   **(2marks)**

Mineral	Where mined	Mining method used
God		
Limestone		
Petroleum/ Oil		

(ii) Describe how Trona is mined in Lake Magadi   **(4marks)**

(iii) State **four** ways in which Trona mining has promoted the growth of Magadi Town in Turkana County
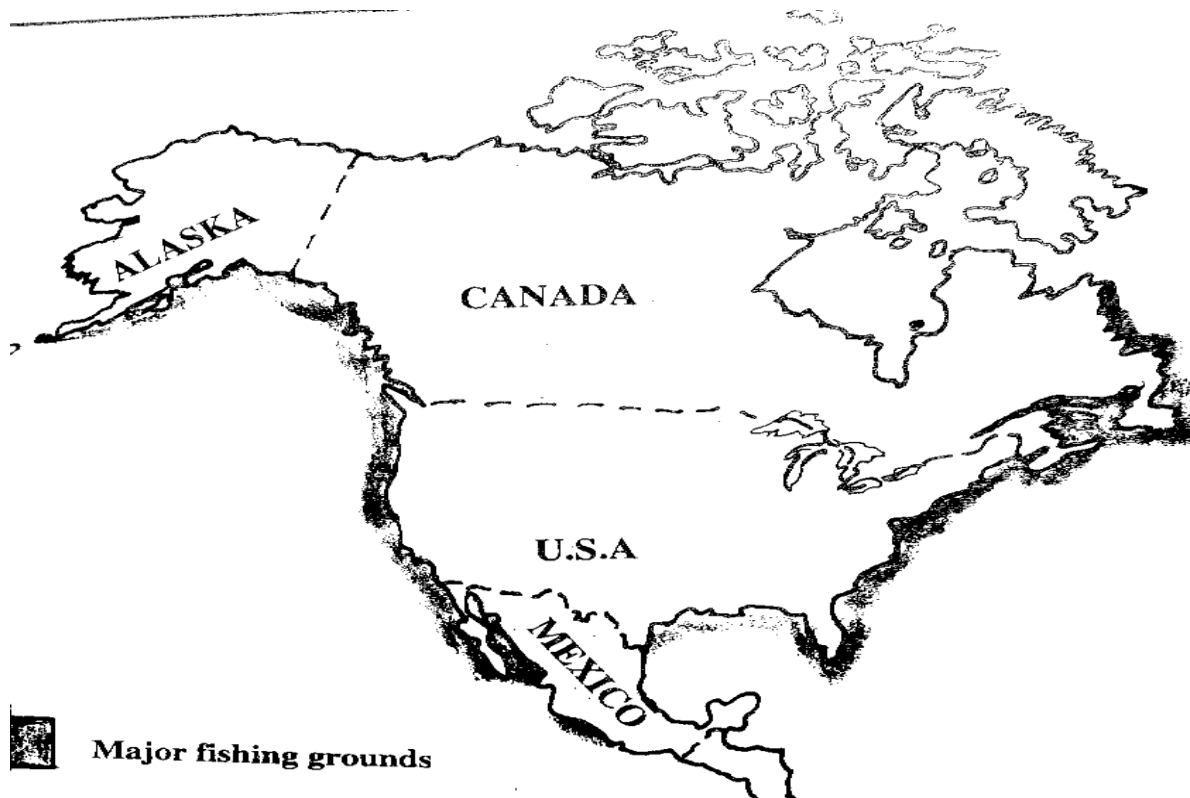
(c).(i) Name **two** provinces in South Africa where Gold is mined   **(2marks)**

(ii) State **five** problems facing Gold mining in South Africa   **(5marks)**

8. (a). Use the map of North America below to answer question (a)(i) and (ii)

Major fishing grounds

(i)   Name the fishing grounds marked **M** and N   **(2marks)**

(ii) From the map identify the physical factor favouuring fishing in the two named grounds**(1mk)**

(iii) State **three** measures taken to conserve the Salmon fish in the fishing ground mark M from

depletion   **(3marks)**

(b).(i). Name **three** main fish landing beaches on Kenya's Lake Victoria   **(3marks)**

(ii). Explain **four** factors favouring fishing in Lake Victoria   **(8marks)**

(c). (i). What is fish farming   **(2marks)**

(ii). Apart from the Tilapia, name **two** main types of fish reared in fish farms in Kenya **(2mks)**

(iii). State **four** reasons why Tilapia is more popular in fish farming in East Africa   **(4marks)**

9. (a)(i) Distinguish between balance of trade and balance of payment   **(2marks)**

(ii). If Kenya imported electronics and automobiles worth Ksh. Ksh. 200,002,987/=, medical

services worth Ksh. 185,876,440/= in the year 2000, while their exports the same year were

agriculture, Ksh. 189,000,657/= and education Ksh. 150,012,230/=. Calculate Kenya's balance of

trade in that year.   **(2marks)**

(b). (i). List **three** major exports from Kenya to the European Union   **(3marks)**

(ii). Give **four** reasons why Southern African Development Co-operation (SADC) was formed.

(4marks)

(c).(i). Explain the following trade restrictions terms

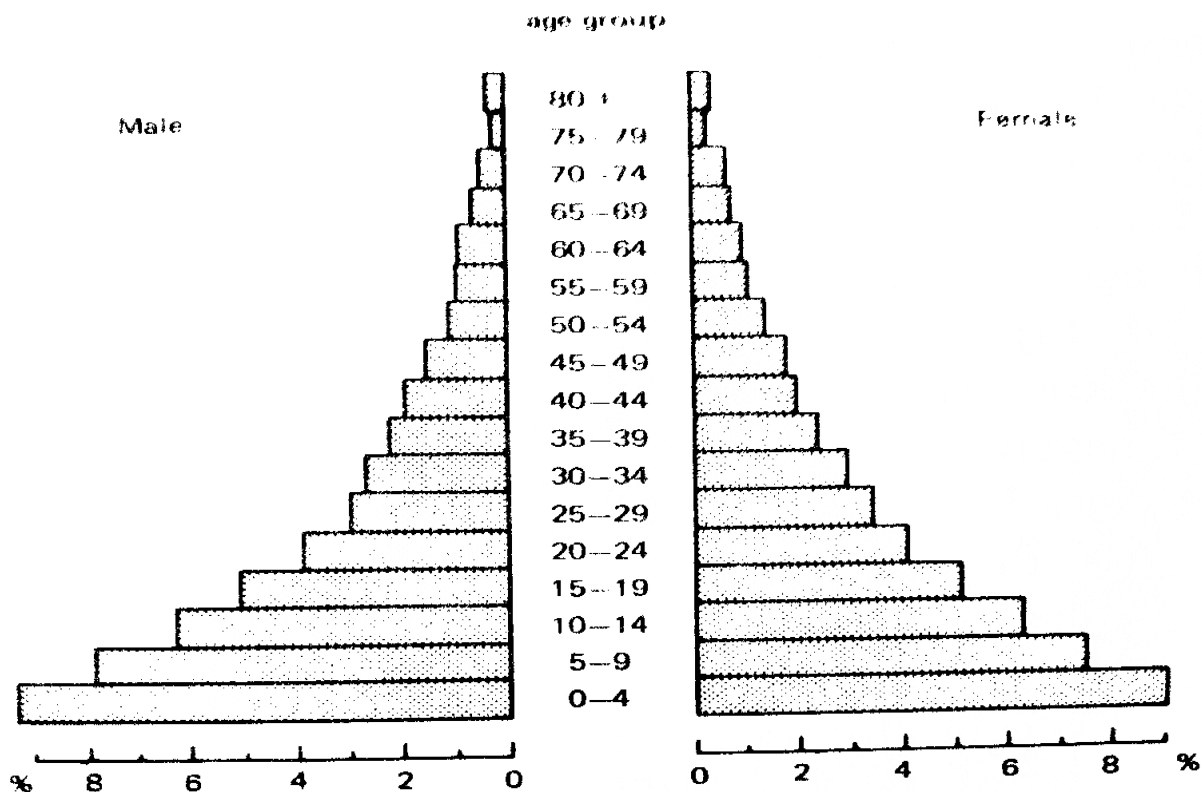- Tarifs   **(2marks)**

- Quotas   **(2marks)**

- Trade agreements   **(2marks)**

- Total bans   (**2marks)**

(ii). Explain **three** factors which negatively impact on Kenya's International trade   **(6marks)**

10.(a)(i). Identify the statistical diagram below   **(1mark)**

(ii). Name **three** types of information that may be derived from the above statistical diagram

(3marks)

(iii). Give **three** factors that influence population growth **(3marks)**

(b).(i). Explain **four** possible reasons for the sudden rise of population in North Eastern Kenya

(8marks)

(ii). State **three** negative effects of a high population growth on the natural environment

(3marks)

(c). (i). Name **three** other types of internal migration other than Rural to urban **(3marks)**

(ii). State **five** measures taken by the Government to curb rural to urban migration **(4marks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 10
312/1
GEOGRAPHY

PAPER 1
TIME: 2¾ HOURS

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A	1 - 5	25	
B	6	25	
		25	
		25	

SECTION A
Answer all questions in this section.

1. (a) What is solar eclipse? **(2 marks)**

(b) What is the longitude of a place whose local time is 10.30 a.m., when the local time is 2.00 p.m. at longitude 45^0E . **(3 marks)**

2. (a) Name *two* isothermal layers of the atmosphere. **(2 marks)**

(b) State *three* consequences of climate change. **(3 marks)**

3. The diagram below represents features produced by faulting. Use it to answer questions (a) and (b).
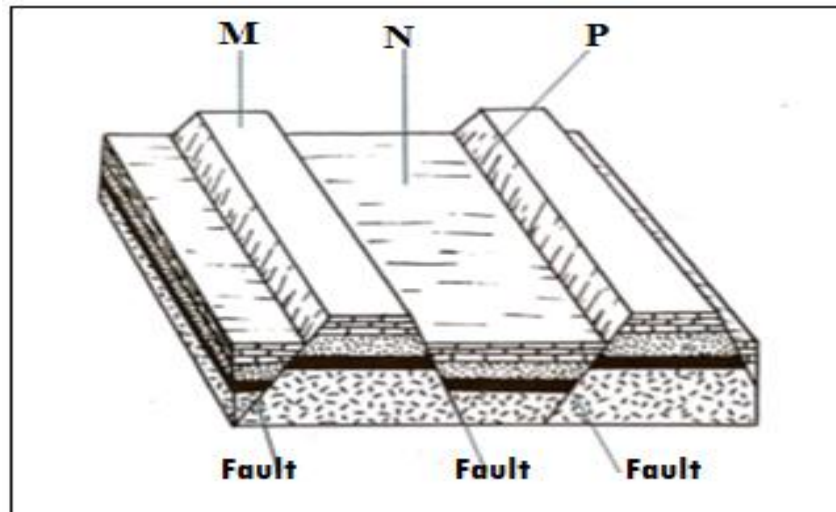
(a)   Identify the features marked **M** and **P**. **(2 marks)**

(b)   State *three* characteristics of feature marked **N** in Kenya. **(3 marks)**

4. (a) Name *two* features associated with inland drainage basins in arid areas. **(2 marks)**

(b) Give *three* factors which contribute to the development of deserts. **(3 marks)**

5. (a) Distinguish between an ice cap and an iceberg. **(2 marks)**

(b) Describe how a glacier transports its load. **(3 marks)**

SECTION B
Answer question 6 (compulsory) any other two questions from this section.

6. Study the map of Mumias 1:50,000 (sheet 101/2) provided and answer the following questions

a)i)What type of map is Mumias extract map? **(1mk**

ii)Give the approximate height of the top of the hill at grid square 6381 **(2mks)**

iii)What is magnetic variation of the map **(2mks**

iv)Identify **two** Districts in western province represented in the area covered by the map **(2mks)**

v)Identify the two types of scales used in the map **(2mks)**

b)i)Identify **<u>three</u>** natural features found in grid square 4727   **(3mks)**

ii)Give **<u>three</u>** settlements patterns found in the area covered by the map   **(3mks)**

c)Citing evidences from the map, give two services offered in Mumias town   **4mks)**

d)Describe the characteristics of the long profile of River Nzoia   **(6mks)**

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

(ii) Give **two** categories of metallic minerals.   **(2 marks)**

(b) (i) Name the rocks which results from the metamorphism of the following;

- Granite   **(1 mark)**
- Clay   **(1 mark)**
- Sandstone   **(1 mark)**

(ii) State **three** factors that influence rock metamorphism.   **(3 marks)**

(a)   Describe the formation of the following rocks.

(i) Intrusive igneous rocks   **(4 marks)**

(ii) Organically formed sedimentary rocks   **(5 marks)**

(b)   Explain **three** economic benefits of coral rocks.   **(6 marks)**

8. (a) Name **two** volcanic depressions found on the Rift Valley of Kenya.   **(2 marks)**

(b) State **five** characteristics of a composite volcano.   **(5 marks)**

(c) Describe how the following extrusive features of vulcanicity are formed.

(i) Geyser.   **(4 marks)**

(ii) Volcanic plug.   **(4 marks)**

(d) Name **three** seismic zones in the world.   **(3 marks)**

(e) Explain **four** negative effects of earthquakes.   **(8 marks)**

9. (a) Differentiate between an ocean and a sea.   **(2 marks)**

(b) Give **five** conditions necessary for the formation of a beach.   **(5 marks)**

(c) The diagram below illustrates some of the features formed by wave depositions. Use it to answer the questions that follow.
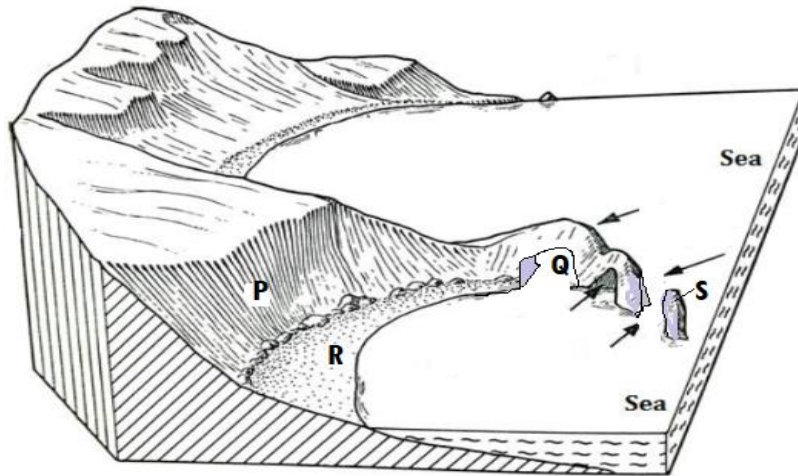
(i) Identify the features marked **Q**, **R** and **S**. **(3 mrks)**

(ii)   Describe the process through which the feature marked **P** is formed. **(4 marks)**

   (d)   (i) Give *two* causes of submergence of coasts. **(2 marks)**

           (ii) Give *three* features formed as a result of submergence of coasts. **(3 marks)**

   (e) You intend to carry out a field study of coastal landforms.

           (i) State *two* objectives you would formulate for the study. **(2 marks)**

           (ii) Why would you need to seek permission before the study? **(3 marks)**

10. (a) (i) What is an aquifer? **(2 marks)**

        (ii) Apart from wells state *three* ways in which underground water may reach the surface

   of the Earth. **(3 marks)**

        (iii) State *four* conditions necessary for the formation of artesian well. **(4 marks)**

   (b) With the aid of well labeled diagrams describe how the following features are formed.

        (i) Limestone pavement. **(6 marks)**

        (ii) Stalagmites. **(6 marks)**

    (c) State *four* reasons why Karst landscapes have low population densities. **(4 marks)**

KCSE 2025 CROSS-COUNTRY MOCKS
NATIONAL TRIAL 10
312/2
GEOGRAPHY

PAPER 2
TIME: 2¾ HOURS

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		25	

1. (a) List two forms of telecommunication services in Kenya   **(2 marks)**

   (b) State three reasons that have led to decline of daily newspaper sales in Kenya. **(3 marks)**

2. (a) Define fertility ratio.   **(2 marks)**

(b) State **three** factors responsible for declining fertility rates in Kenya.   **(3 marks)**

3. The diagram below fishing method.
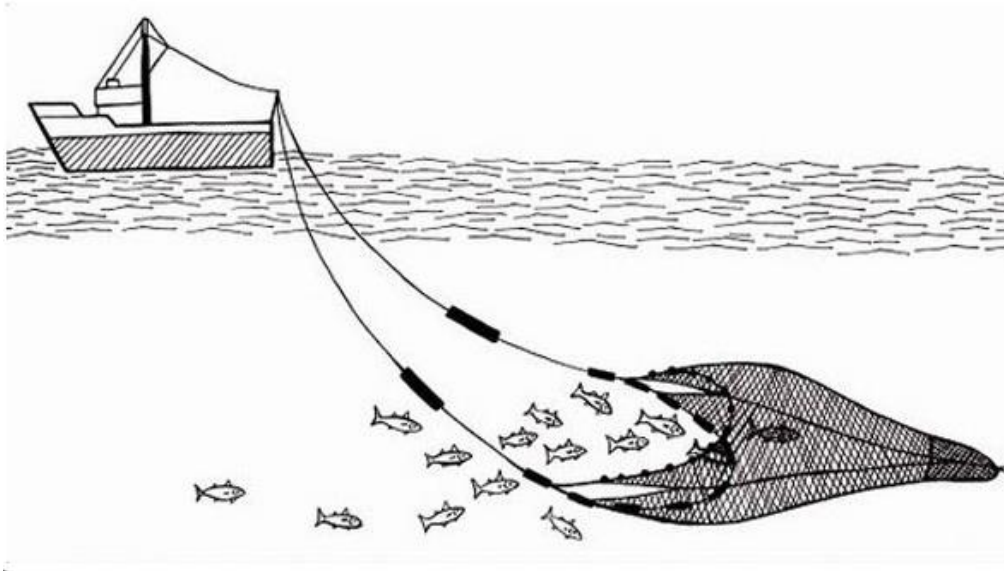
(a) Identify the method shown**.**   **(1 mark)**

(b) Describe how it is used to catch fish.   **(4 marks)**

4. (a) Distinguish between a forest and forestry.   **(2 marks)**

 (b) Identify three activities that maybe undertaken by students in school to conserve trees**.(3 mrks)**

5. State **five** economic problems faced by tea plantations in Kenya**.**   **(5 marks)**

SECTION B

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

6. The table below shows the value of intra-COMESA total exports in selected countries in million dollars from 2016 to 2019. Study it and use it to answer question 6(a).

COUNTRY	VALUE OF EXPORTS in US Million $			
	2016	2017	2018	2019
KENYA	1640	1602	1595	1530
UGANDA	1042	781	600	588
EGYPT	2025	2335	2861	3032
RWANDA	466	488	626	705

(a) Using the above data, draw a divided rectangle of length 15 cm to represent the data.

(8 marks)

b) Give **four** reasons why Kenya's intra-COMESA Exports are were declining from the year 2016 to 2019. **(4 marks)**

c) State **three** problems facing internal trade in Kenya. **(3 marks)**

d) State **four** ways in which Kenya will benefit from the renewed East African community

(4 marks)

e) Explain how trade restrictions have influenced external trade in Kenya **(6 marks)**

7. (a) (i) Define urbanization. **(2 marks)**

(ii) State **three** characteristics of rural settlements. **(3 marks)**

(b) The diagram below represents the functional zones of an urban center. Use it to anser question b(i)
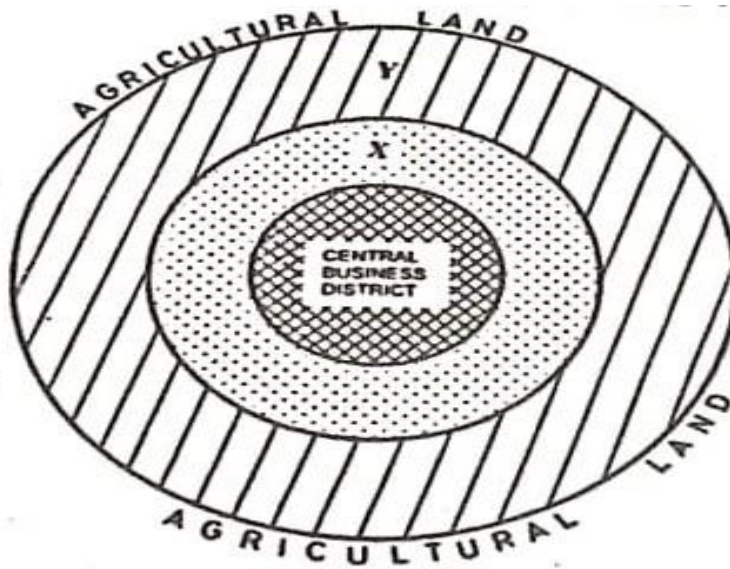
(i) Name the zones marked **X** and **Y.** **(2 marks)**

(ii) List **two** functions of the Central Business District. **(2 marks)**

b) Explain three economic factors that have influenced location of urban centers in Kenya. **(6 marks)**

(i) Explain measures taken by the government to solve the problem of traffic congestion in Nairobi city. **(4 marks)**

c) Compare the cities of Nairobi and new york under the following subheadings;

- Location **(2 marks)**
- Expansion **(2 marks)**

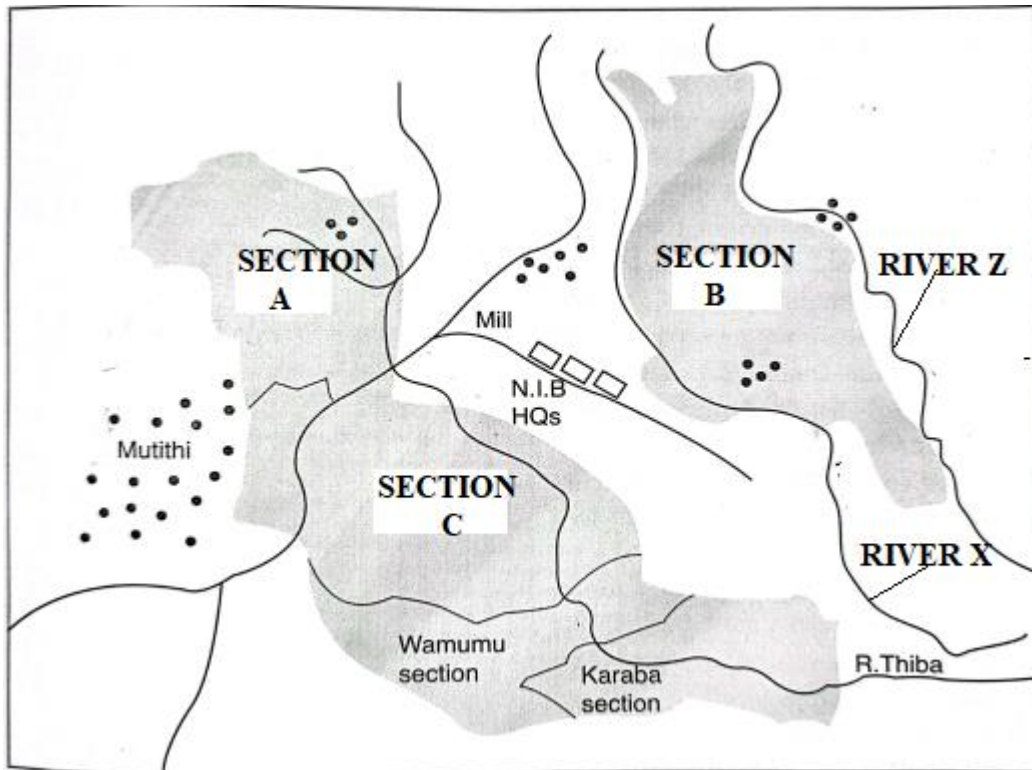**8.** (a) (i) Distinguish between land reclamation and land rehabilitation. **(2 marks)**

(ii) Describe how the following have been used to rehabilitate land in Kenya.

Filling of quarries **(2 marks)**

Re-afforestation **(2 marks)**

b) Explain **three** physical conditions that favour irrigation farming in Kenya **(6 marks)**

c) Study the map of Mwea Tabere below and use it to answer question c(i)

(i) Name the sections marked **B** and C **(2 marks)**

(ii) Identify River marked **Z** **(1 mark)**

(iii) State **three** drainage problems that are experienced by farmers at Mwea Tabere irrigation scheme

(3 marks)

d) (i) State three ways in which salinity in the polders was reduced in the Netherlands. **(3 marks)**

(ii) Explain **two** economic benefits of Zuyder Zee projects in Netherlands. **(4marks)**

9. (a) (i) Name two main varieties of tea grown in Kenya. **(2marks)**

(ii) Explain three human factors that have made plantation farming of tea successful in Kenya.

(6 marks)

b) Describe how the following tea processing procedures are carried out.

- Withering **(2 marks)**

- Souring **(2 marks)**

- Roasting **(2 marks)**

c) State **four** marketing problems facing small scale tea farmers in Kenya. **(4 marks)**

d) Maranda High School students carried out a field study on Brooke Bond tea plantation in Kericho.

(i) Give **two** reasons why the must have carried out a pre-visit. **(2 marks)**

(ii) Formulate two possible hypotheses they may have used for the study. **(2 marks)**

(iii) State **three** benefits of the plantation to the local community they may have found out.

(3 marks)

10. a) Name **two** minerals that occur as beds and seams **(2 marks)**

b) Explain **three** human factors that influenced the mining of trona in Lake Magadi. **(6 marks)**

c) (i) Name **two** methods used in alluvial mining. **(2 marks)**

(ii) Describe how oil is extracted from the deep depths of the earth. **(4 marks)**

(d) Explain **three** problems facing mining in Kenya. **(6 marks)**

(e) Maranda high school students carried out a field study on the processing of trona on Lake Magadi.

(i) Identify **two** methods they may have used in recording data**.** **(2 marks)**

(ii) Name **three** processes they may have identified. **(2 marks)**

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CAUTION TO KCSE 2025 CANDIDATES:

IN CASE / ON EVENT YOU REALIZE PART OF THESE QUESTIONS WERE DIRECTLY OR INDIRECTLY LIFTED IN THE FINAL KCSE 2025 EXAMINATIONS PLEASE DO NOT PANIC!

KILA LA HERI