KCSE 2023 PREDICTION CYCLES

GEOGRAPHY PAPER 2

KCSE 2023 TOP PREREDICTION CYCLE 1-10

CLASS OF KCSE 2023 NOVEMBER

The set Comprises of 10 Prediction Cycles prepared by a panel of Top Writers from KNEC Nairobi HQ

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312/2

GEOGRAPHY

FORM FOUR

2 $^{3}/_{4}$HOURS

KCSE TOP PREDICTION MASTER CYCLE 1

Instructions to candidates

*(a) This paper has **two** sections **A** and **B**.*

*(b) Answer **all** questions in section **A**.*

*(c) In section **B** answer question **6** and any **other two** questions.*

(d) All answers must be written in the answer booklet provided.

(e) This paper consists of 4 printed pages.

(f) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

(g) Candidates should answer the questions in English.

SECTION A

Answer all the questions in this section

1. (a) What is industrial inertia? ***(2mks)***

(b) Give **three** reasons why industrialists prefer locating new industries where old ones exist. ***(3mks)***

2. (a) What is under population? ***(2mks)***

(b) State **two** advantages of a large population in a developed country ***(2mks)***

3. (a) Name **two** areas in Kenya where flowers are grown in green houses ***(2mks)***

(b) Give **three** reasons why flowers are grown under green houses. ***(3mks)***

4. (a) Name **two** types of placer mining ***(2mks)***

(b) State **three** negative effects of open cast mining on the environment ***(3mks)***

5. (a)(i) Apart from freshian cows name three other dairy cattle reared in Kenya. ***(3mks)***

(ii) Give **two** ways in which farming contributes to water pollution. ***(2mks)***

(b)(i) What is emigration? ***(1mk)***

SECTION B

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

6. Hypothetical figures showing sugar production from various factories in Kenya on '000' tonnes.

Factory	Production on tonnes
Mumias	48 200
Nzoia	26 000
Chemilil	36 000
Sony sugar	28 000
Muhoroni	20 400
Total	158 600

a. (i) Using a pie chart of radius 4cm present the data above (show your calculations) ***(5mks)***

(ii) What percentage of total sugar production was contributed by Mumias? ***(2mks)***

(iii) State **three** advantages of using pie-charts to present statistical data. ***(3mks)***

b. Explain **four** problems facing sugar cane farming in Kenya. ***(8mks)***

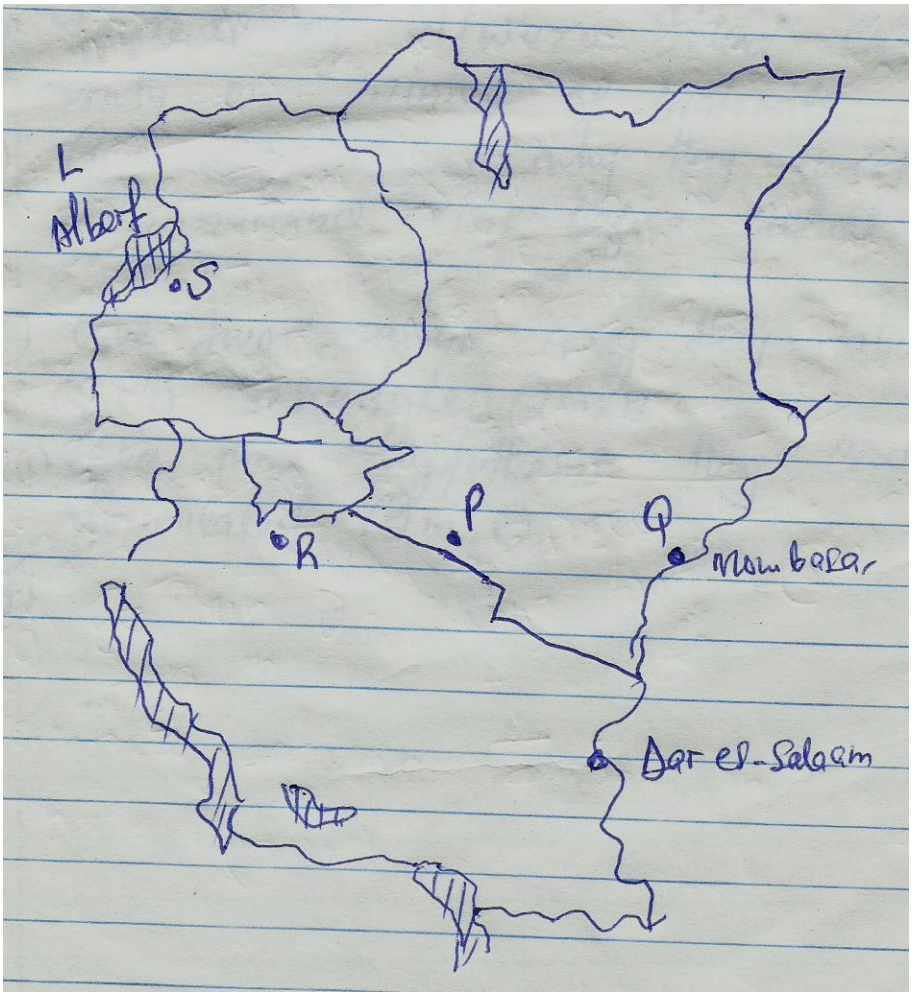
c. Describe how sugar is processed in the factory. ***(4mks)***

d. Give **three** government support actions to sugar cane farmers. ***(3mks)***

7. (a) What is energy? ***(2mks)***
   (b) List **four** examples of renewable types of energy ***(4mks)***
   (c)(i) State **three** limitations of Geothermal energy ***(3mks)***
   (ii) Define energy crisis? ***(2mks)***
(iii) Explain **four** ways Kenya is dealing with energy crisis? ***(8mks)***
   (d)(i) Highlight **three** significance of energy ***(3mks)***
   (ii) Give **three** ways in which atmosphere is heated ***(3mks)***

8. (a) List **four** tourist sites in the Coastal countries ***(4mks)***
   (b) Compare national parks and game reserves ***(5mks)***
   (c) Explain **four** negative effects of tourism ***(8mks)***
   (d)(i) Highlight **four** measures taken by the government of Kenya to promoting tourism ***(4mks)***
   (ii) Differentiate between tourism in Kenya and Switzerland. ***(4mks)***
9. (a)(i) What is fishing and fisheries ***(4mks)***
   (ii) Explain **three** physical factors that favour fishing ***(6mks)***
   (b)List **three** types of fish caught in North East pacific fishing ground. ***(2mks)***
   (c)(i) State the significance of fishing industry in Kenya. ***(3mks)***
   (ii) Explain **four** problems facing fishing in Kenya. ***(8mks)***
   (d) State **two** methods that are used to manage and conserve fish in Kenya ***(2mks)***

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



(a)(i) Name the minerals mined at the following marked areas S, P, and Q ***(3mks)***

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

(b) Describe how alluvial placer method of mining is carried out. ***(4mks)***

(c)(i) Mention **two** parts through which some of the minerals mined in East Africa are exported ***(2mks)***

(ii) Explain **three** ways in which mining derelicts can be reclaimed ***(6mks)***

(d) Students of Uwezo School carried a field study on mining of Diatomite in Nakuru County.

(i) Give **two** reasons why they carried out a reconnaissance visit before actual study. ***(2mks)***

(ii) Give **two** reasons why they tabulated a work scheduled ***(2mks)***

(iii) Give **three** hypothesis they could have formulated. ***(2mks)***

NAME ……..…… INDEX NO ……...……

SIGN ……ADM. NO. ……. CLASS.……..

SCHOOL …….

312/2
GEOGRAPHY
PAPER 2
TIME 2HRS 45 MINS

KCSE TOP PREDICTION MASTER CYCLE 2

INSTRUCTIONS TO CANDIDATES

a) This paper consists of two sections: A and B.

b) Answer ALL the questions in section A. in section B, answer question 6 and any two other questions.

c) All answers must be written in the answer booklet provided.

SECTION A: 25 MARKS

Answer all the questions

1. (a) Distinguish between forest and forestry. ***(2 mks)***

   (b) State **three** factors favouring growth of Mt. Kenya forest. ***(3 mks)***

2. (a) Name **three** middle east countries that are oil producers. ***(3 mks)***

   (b) Give **three** by products obtained when crude oil is refined. ***(2 mks)***

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

   (b) Give **three** physical conditions that favor large scale wheat farming in the Prairies provinces of Canada. ***(3mks)***

4. (a). Define the term nomadic pastoralism. ***(2 mks)***

   (b). Give **three** breeds of beef cattle reared in Kenya. ***(3 mks)***

5. (a) A photograph is divided into 3 parts. Name them. ***(3 mks)***

   (b) State **two** limitations of using photographs. (2 mks)

SECTION B: *75 MARKS.*

6. (a). Differentiate between secondary and primary data. ***(2 marks)***

   (b). Use the table below to answer the questions that follow.

Number of dairy animals in division X on the Kenyan highlands in 1992.

TYPE	**NUMBER**	
Guernsey	8400	
Ayrshire	7200	
Jersey	10800	
Freshian	16400	
Shahiwal	5200	

(i). Using a scale of 1cm to represent 4000 animals, represent the above data using a divided rectangle. ***(6mks)***

(ii). State **two** advantages of using a divided rectangle to represent data. ***(2mks)***

(iii). Name **three** other ways through which the data above can be statistically presented. ***(3 mks)***

(c). State **three** physical factors that favour dairy farming in the Kenya highlands ***(3mks)***

(d) (i) Explain **three** ways in which dairy farming in Kenya is different from dairy farming in Denmark.

(6mks)

(ii). State **three** by-products of milk. ***(3 mks)***

7. (a) (i) Name **two** indigenous softwood trees in Kenya. ***(2 mks)***

(ii) State **five** factors that favour the development of softwoods in Kenya. ***(5 mks)***

(b) (i) Explain **four** problems experienced in commercial exploitation of tropical rain forests in Africa. ***(8 mks)***

(ii) Give **four** protective roles of forests in a country ***(4 mks)***

(c) Explain **three** problems Canada experiences in exploiting her forests. ***(6 mks)***

8. (a) (i) Name two major counties in Kenya known for high maize production. ***(2 mks)***
(ii) What is the importance of maize production to Kenya's economy. ***(6 mks)***
(iii) Name the Board that is known for buying and selling of maize in Kenya. ***(1 mks)***
(b) What are the problems facing the maize farming in Kenya. ***(8 mks)***
(c) Explain **four** physical conditions that favour maize growing in Kenya. ***(8 mks)***

9. (a) Define the term mineral ***(2mks)***

(b) (i) Name **two** areas in South Africa where diamond is mined. ***(2mks)***

(ii) Give **four** ways in which minerals occur. ***(4 mks)***

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

(ii) Identify any **two** methods of mining. ***(2mks)***

(iii) Name a port through which minerals in East Africa are exported. ***(Imk)***

(d). Explain **four** ways in which soda ash contributes to the economy of Kenya ***(8mks)***

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

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

(b). (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)***

312/2

GEOGRAPHY

PAPER II

TIME: 2HOURS 45 MIN

KCSE TOP PREDICTION MASTER CYCLE 3

Instructions to Candidates

(i)This paper has two sections A, and B.
(ii) Answer all the question in section A
(iii) Answer questions 6 and any two in section B.
(iv) All answers must be written in English

SECTION A

Answer allquestions in this section

1. (a) What is a derelict land? ***(2 mks)***

(b) State **three**causes of land dereliction. ***(3 mks)***

2. (a) State **three** problems facing coffee farming in Kenya. ***(3mks)***

(b) Outline **two** benefits of coffee farming in Brazil. ***(2 mks)***

3. (a) What are floods? ***(2 mks)***

(b) Mention **two** advantages of farrow irrigation. ***(2 mks)***

(c) Name one river which causes large scale flooding in Kenya. ***(1 mk)***

4. (a) Distinguish between a Game reserve and a National Park. ***(2 mks)***

(b) Other than advertisement, mention **three** steps taken by the Kenyan government to promote tourism in the country. ***(3 mks)***

5. (a) Define the term industry. ***(2 mks)***

(b) State **three** factors necessary for location of an industry. ***(3mks)***

SECTION B

Answer question 6 and two from this section.

6. The table below shows fish production by some selected countries in **1998.** (Production in tonnes).

   Study it and use it to answer questions that follow:

COUNTRY	PRODUCTION IN TONNES
Japan	1440
Norway	1020
South Korea	810
Kenya	330

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a. i. Calculate the percentage of fish production by Norway. ***(2 mks)***

ii. Using 12cm long rectangle present the above data using a divided rectangle. ***(9 mk)***

iii State**two** advantages of presenting data using divided rectangle. ***(2 mks)***

b. Outline **two** major methods used in commercial fishing. ***(2 mks)***

c. State **two** reasons why market for marine fish is low in Kenya. ***(2 mks)***

d. Explain **four** factors favouring fishing in Japan. ***(8 mks)***

7. (a) (i) What is agro-forestry? ***(2mk)***

(ii) Give **four** reasons why afforestation is being encouraged in Kenya. ***(4 mks)***

(b) (i) State**four**measures being taken to conserve forests in Kenya. ***(4mks)***

(ii) Explain **five** factors that limit the exploitation of tropical rain forests in Africa**.** ***(10 mks)***

(c) (i) Mention **three** uses of Mangrove forests. ***(3 mks)***

(ii) Name **two** major forest blocks found along the Kenyan coast. ***(2 mks)***

8. (a) (i) Differentiate between horticulture and market gardening. ***(2 mks)***

(ii) State **four** factors that favour horticulture in Kenya. ***(4 mks)***

(b) (i) Name **one**horticulture farming area in the Netherlands. ***(1 mk)***

(ii) State **four** ways through which Kenya has benefited from horticultural farming**.** ***(4 mks)***

(iii) Explain **three** problems facing horticultural farming in Kenya. ***(6mks)***

(c) Explain **four** conditions that have made horticultural farming in Netherlands more successful than Kenya. ***(8 mks)***

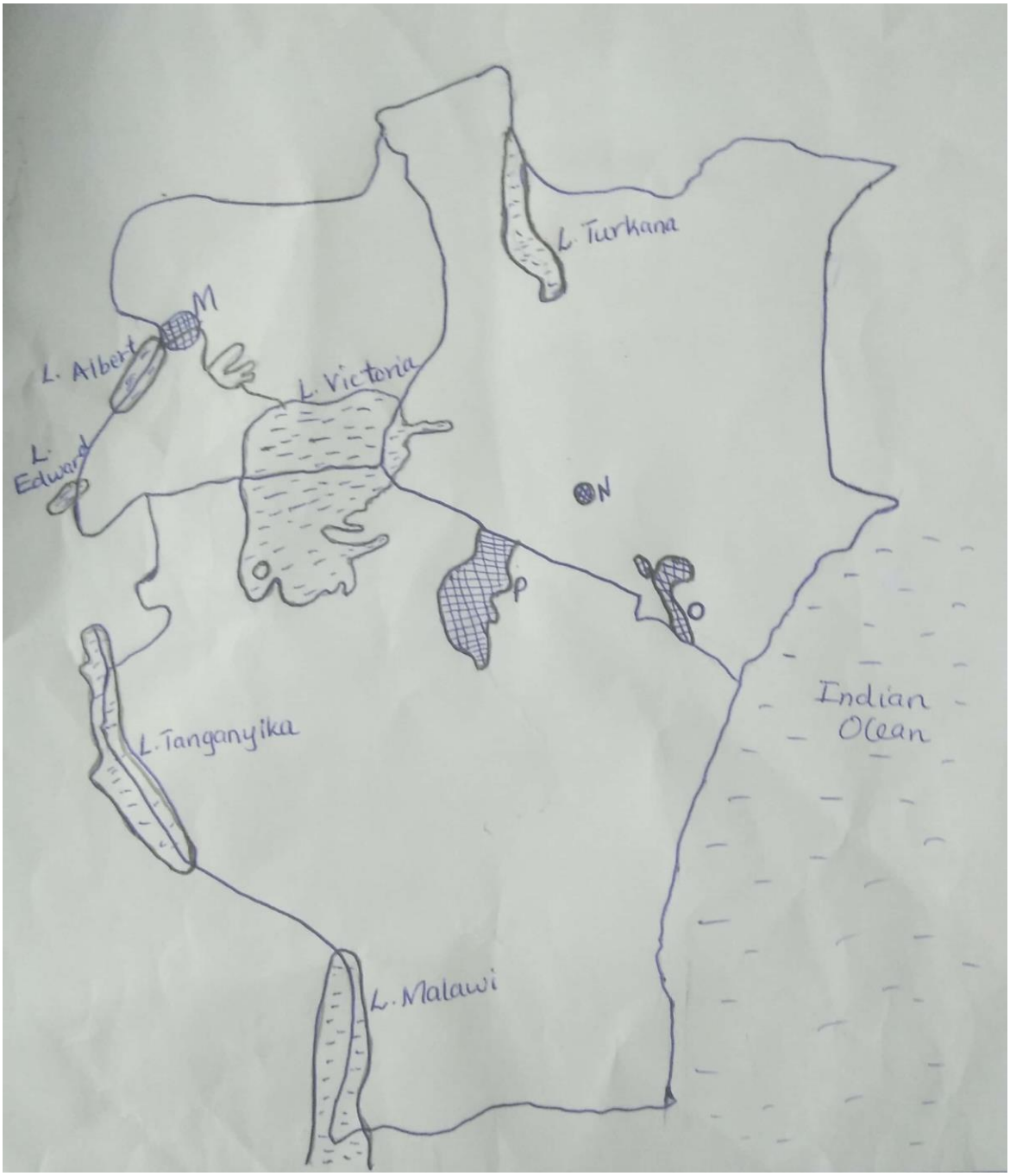
9. (a) Define the term wildlife. ***(2 mks)***

(b) Explain how the following factors influence wildlife distribution in Kenya.

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

(ii) Human Activities ***(4 mks)***

(c)Study the map of East Africa and answer the questions that follow:



(i) Identify the National Parks marked M,N, O and P. ***(4 mks)***

(ii) Name **one** sanctuary found in Kenya. ***(1 mk)***

(d) State**two** problems facing wildlife in East Africa. ***(2 mks)***

(e) Explain **four** significance of wildlife in Kenya. ***(8 mks)***

10. (a) (i) Name **two**non-renewable sources of energy. ***(2 mks)***

(ii) State **three** uses of energy in an industry. ***(3 mks)***

(b) (i) State **five** advantages of using hydro-electric power over other forms of energy**.** ***(5mks)***

(ii) State **five** measures that Kenya may take to manage energy-crisis. ***(5 mks)***

(c) Explain **five** effects of energy crisis in the world. ***(10 mks)***

NAME……ADM NO……SIGN……..

SCHOOL……CLASS……DATE……

312/2
GEOGRAPY
PAPER 2
TIME: 2 ¾ Hours

KCSE TOP PREDICTION MASTER CYCLE 4

INSTRUCTION

a.) Write your name and index number
b.) Sign and write the date of examination in the space provided above
c.) This paper consists of two section A and B
d.) Answer all section in the section A
e.) Answer question 6 and any other two questions from section B
f.) Answers must be written in the spaces provided the end of question 10
g.) This paper consists of 12 pages
h.) Candidates must check all the Questions to ascertain that all pages are printed as indicated and no question is missing
(i) Candidates should answer all questions in English

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A	**1-5**	**25**	
B	**6**	**25**	
		25	
		25	
		TOTAL SCORE	

SECTION A
ANSWER ALL QUESTIONS IN THIS SECTION

1. a) Define the term human geography *(2mks)*
   b.) Give **three** subdivision of human Geography *(3 mks)*
2. a.) Name **two** counties in Kenya in Eastern highlands where tea is grown *(2mks)*

   b.) State three economic problems experienced by small scale tea famers in Kenya *(3mks)*
3. a) What is mixed farming *(2mks)*
   b.) Give **three** physical condition that favors wheat cultivation in Kenya *(3mks)*
4. a) Name the river along which Bunyala swamp is found in Kenya *(1mk)*
   b.) State **four** physical problem facing irrigation farming in Kenya *(4mks)*
5. a) What is energy crisis *(2mks)*
   b.) Give **three** limitations of using solar energy *(3mks)*

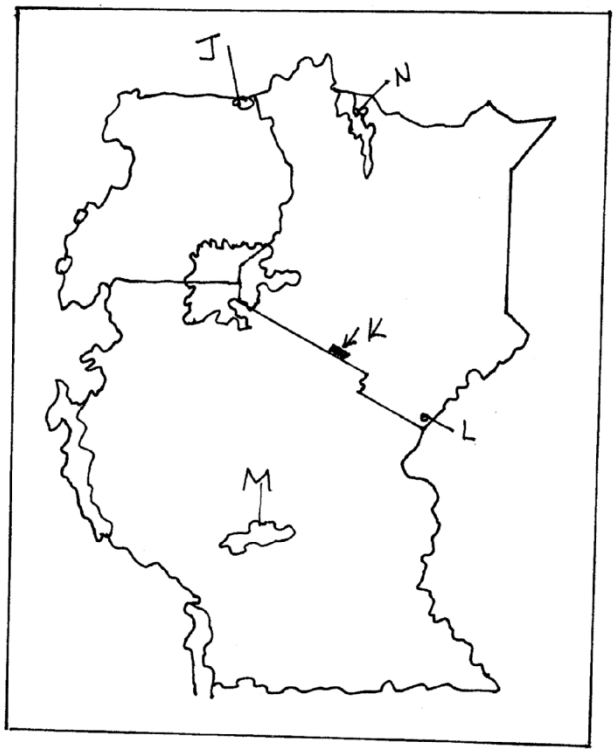
ANSWER QUESTION 6 AND ANY OTHER TWO QUESTIONS FROM THIS SECTION

6.a) The table below shows beef producftion in varies counties in Kenya in metric tonnes(000) between 2018 and 2020. Use it to answer the questions that follows.

County	2018	2019	2020
Baringo	320	340	340
Marsabit	360	360	380
Kajiado	340	320	360
Tana river	380	380	400

   i) Identify the counties that had the highest beef production within the period *(1mk)*
   ii.) Name type of cattle breed reared by pastoralists in Kenya *(2mks)*
   b.i) Using the scale of 1 cm representing 100,000 metric. Draw a comparative bar graph to represent the above data *(7mks)*
   ii.) Explain **three** measures that have been taken by the government of Kenya to improve beef farming *(6mks)*
   iii.) Outlines **three** ways in which the market of animals is done by the nomadic pastoralists in Kenya *(3mks)*
   c.) Explain **three** environmental conditions that favor commercial beef farming in Argentina *(6mks)*
7.) a) Name **two** types of placer mining *(2mks)*
   ii.) Describe the processing of gold in South Africa *(6mks)*
   iii.) Give any three uses of gold in South Africa *(3mks)*
   b.) Explain how the following factors influence exploitation of minerals
   i.) Value of the mineral *(2mks)*
   ii.) Quality of the ore *(2mks)*
   iii.) Mining method *(2mks)*
   c.) Explain **four** effects of open cast mining on the environment *(8mks)*
8. a.i) Distinguish between domestic and international tourism *(2mks)*
   ii.) State **three** effects of human encroachment in to wildlife habitats *(3mks)*

b.) Study the map of East Africa provided and use to answer the questions that follows



Name

(i) The national parks labeled J,K and N ***(3mks)***

J –

K –

N –

ii) The game reserve named L ***(1mk)***

L –

c.) Give **four** measures that Kenyans should take in order to attract more tourism ***(4mks)***

d.) Explain **four** factors why Switzerland receives more tourists than Kenya ***(8mks)***

e. (i.) Students of Narok high school intend to visit Maasai Mara game reserve

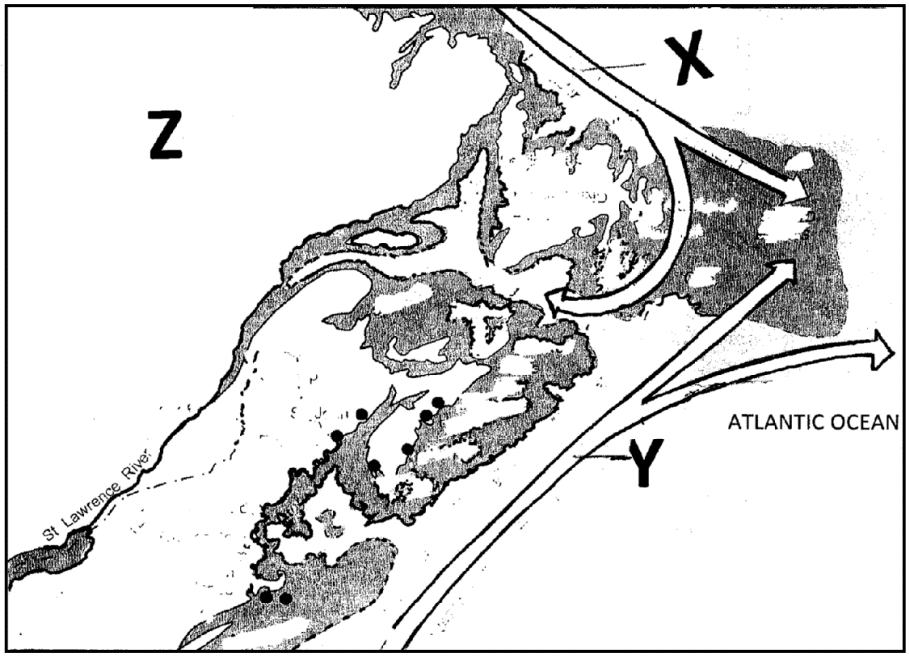
(i) Outline **two** objectives for their study ***(2mks)***

ii) Give any **two** unique human activities they are likely to come across which is not in national park ***(2mks)***

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

ii.) Give **two** factors that favors the growth of planktons ***(2mks)***

(b) The map below shows the North-West Atlantic fishing grounds. Study it and answer questions that follow.



Name ocean current named X and Y ***(2mks)***

X –

Y –

ii) Explain the way in which convergence of ocean current marked X and Y favors fishing in the North – West Atlantic ***(4mks)***

(iii) Name the country marked Z ***(1mks)***

(iv) Name **two** examples of fish caught in the North-West Atlantic fishing ***(2mks)***

c.) Explain **four** reason that discouraged East Africa from being a major producer of fish and fish products in the world ***(8mks)***

(d) State **four** measures that Kenyan Government has undertaken to conserve fisheries ***(4mks)***

10. (a) Differentiate between forestry and forest ***(2mks)***

(i) Give **two** softwood tree spices which grow in the forest in Kenya ***(2mks)***

(ii) Give characteristics of planted forest in Kenya ***(3mks)***

b.) Compare fishery in Kenya and in Canada under the following subheading

(i) Harvesting of trees ***(2mks)***

(ii) Marketing of trees products ***(2mks)***

c.) Explain four measures taken by Kenyan government to control human encroachment on forested areas ***(2mks)***

d.) The students of Mugoiri girls are planning too carry out a field study in forestry on the slope of Mt. Kenya

(i) Give **three** reasons why it would be necessary to sample part of the forest for the study ***(3mks)***

(ii) State **two** ways in which their findings would be useful to the community living near the forest ***(2mks)***

THIS IS THE LAST PRINTED PAGE!

312/2

GEOGRAPHY

PAPER 2

Time: $2^{3}/_{4}$ hours

KCSE 2023 TOP PREDICTION MASTER CYCLE 5

NAME: _____ **ADM NO:** _____

DATE: _____ **SIGN:** _____

INSTRUCTIONS TO CANDIDATES

- *This paper consists of two sections; section A and section B.*
- *Answer all questions in section A. In section B answer question 6 and any other two questions.*
- *All answers must be written in the answer booklet provided.*
- *This paper consists of 5 printed pages.*
- *Candidates should check to ascertain that all pages are indicated and that no questions are missing.*

FOR EXAMINERS ONLY

QUESTION	MARKS
SECTION A	
6	
7	
8	
9	
10	

SECTION A: Answer all questions in this section

1a) Name two examples of natural forests in the coastal region. (2mks)

b) Give three reasons why agroforestry is encouraged in Kenya. (3mks)

2. a) Name two main land reclamation projects in Netherlands (2mks)

b) Give two benefits that resulted from reclamation of Yala Swamp (2mks)

3 a) Name two breeds of cattle kept by nomadic pastoralists in Kenya. (2mks)

b) Give four features of nomadic pastoralism (4mks)

4 a) State four measures taken to promote domestic tourism in Kenya. (3mks)

b) Identify two physical tourist attraction sites in Switzerland. (2mks)

5 a) Distinguish between transport and communication. (2mks)

b) State two causes of increased road accidents in Kenya. (3mks)

SECTION B

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

6. The table below shows the value of cash crops in Kenya shilling millions. Use to answer question (a).

CROP/YEAR	**2015**	**2016**	**2017**
Coffee	10,000	13,000	14,000
Tea	10,000	12,000	12,000
Pyrethrum	9,000	8,000	5,000

(a) (i) Using a vertical scale of 1cm to represent 1,000,000,000 shillings, draw a comparative bar to represent the data above. (8 marks)

(ii) Apart from comparative bar graphs, name **two** other methods that can be used to represent the above data. (2 marks)

(b) (i) Name **two** Counties where coffee is grown on large scale in Central Kenya. (2 marks)

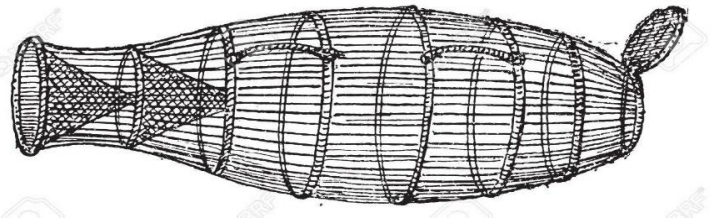
(ii) Describe the stages in the cultivation of coffee from land preparations to the harvesting stage. (7 marks)

(c) Explain **three** problems that faced by small scale coffee farmers in Kenya. (6 marks)

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

(ii) State **three** reasons why fish farming is encouraged in Kenya. (3 marks)

(b) The diagrams below shows some fishing methods. Use it to answer the question below.



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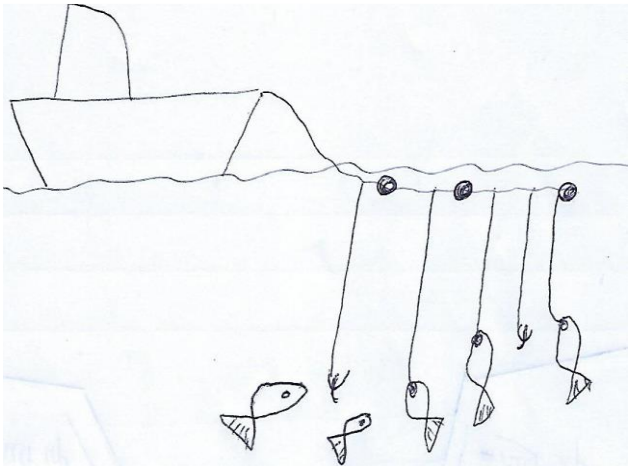
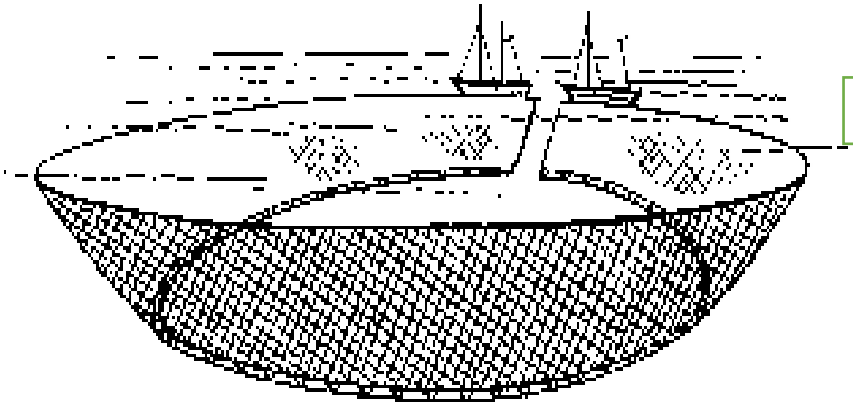


U

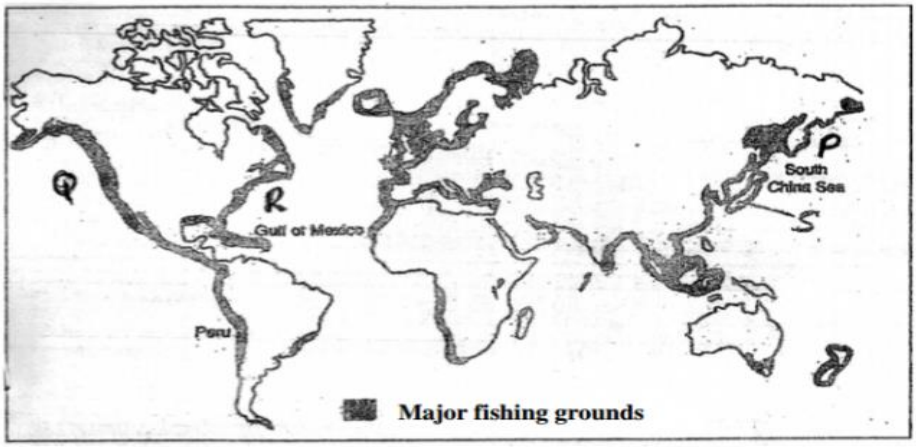


V

(i) Identify the fishing method marked **R** and **U**. (2 marks)

(ii) Describe the fishing method marked **V** in the diagram above is used to catch fish. (6 marks)

(c) The map below shows the main fishing grounds in the world.



(i) Name the fishing ground marked **P**. (1 mark)

(ii) Identify the country marked S. (1 mark)

(iii) Explain **three** physical factors which favour fishing in the fishing ground marked P. (6 marks)

(d) State **four** problems facing fishing marine fishing in Kenya. (4 marks)

8 a) i) What is mining? (2mks)

ii) Give two formations in which mineral ores occur (2mks)

b) Explain how the following factors influence the exploitation of minerals

i) Quality of the ore (2marks)

ii) Level of technology (2marks)

c) Describe the dredging mining method (4mks)

d) i) State three uses of soda ash (3marks)

ii) Explain two problems facing soda ash mining at Lake Magadi in Kenya (4mks)

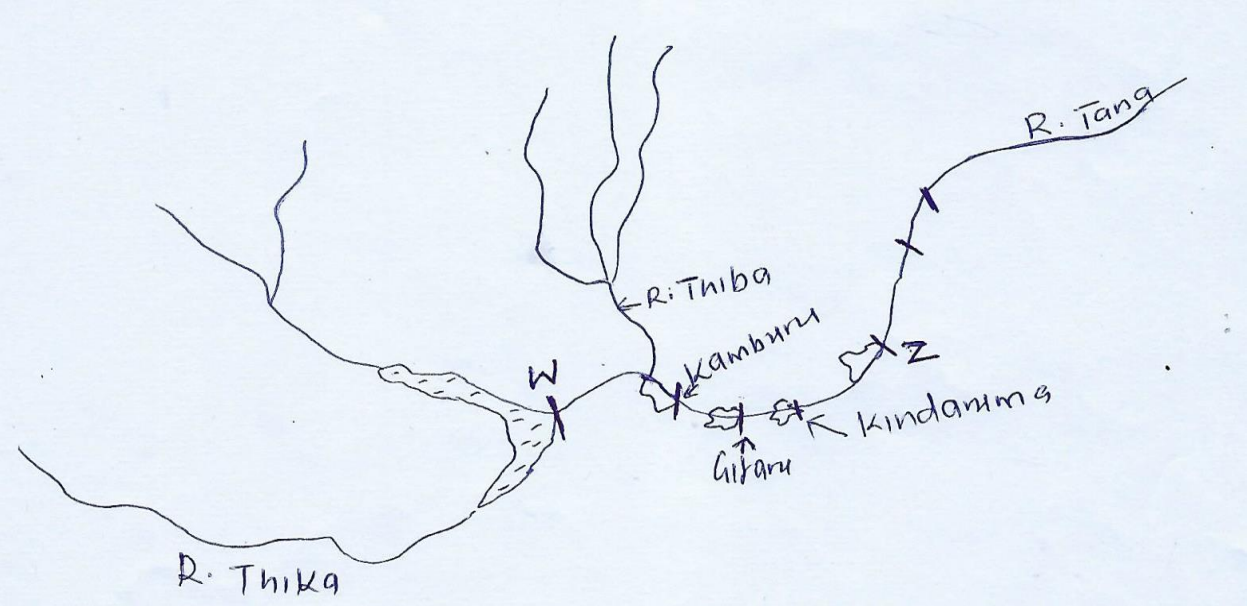
e). Explain three ways in which diamond mining has contributed to the economy of South Africa (6mks)

9. (a) (i) Other than wind, name **two** other sources of renewable energy. (2 marks)

(ii) Name one main wind power station in Kenya. (1 mark)

(iii) State **three** advantages of using wind as a source of energy. (3 marks)

(b) The map below shows the Seven Forks hydroelectric power scheme.



(i) Name the dams marked **W** and **Z**. (2 marks)

(ii) Explain **three** physical factors that influenced the location of the Seven Forks HEP project. (6 marks)

(iii) State **three** economic benefits of the Seven Forks HEP project. (3 marks)

(d) (i) What is energy crisis? (2 marks)

(ii) Explain **three** effects of the increasing petroleum prices to the Kenyan economy. (6 marks)

10 a) i) Distinguish between industries and industrialization (2mks)

ii) Give three reasons why Kenya's striving to be industrialized (3mks)

b)i) State four characteristics of cottage industries in in Kenya. (4mks)

ii) Give two examples of cottage industries in Kenya. (2mks)

c) Explain three problems associated with industrialization in Kenya. (6mks)

d) i) Explain three factors that influenced the location of the iron and steel industry in the Ruhr Industrial region.(6mks)

ii) Apart from the iron and steel industries, name two other industries in the Ruhr industrial region. (2mks)

NAME……. **ADM NO**……

CLASS…… **DATE**……

SCHOOL ……

312/2

GEOGRAPHY

Paper 2

2 ¾ hours

KCSE TOP PREDICTION MASTER CYCLE 6

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Instructions to Candidates

- ✓ Answer all questions in section A.
- ✓ In section B, Answer question 6 and any other two questions from the remaining questions.
- ✓ Answer all questions using the answer booklet provided.
- ✓ Candidate should check that all pages are printed and no questions are missing.

For Examination use only.

	Maximum Score	Candidate Score
Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
TOTAL	100%	

SECTION A

Answer all questions in this Section

1. State three reasons for studying Geography. ***(3marks)***

b.Name two branches of geography ***(2marks)***

2. (a) Name two biological factors influencing agriculture. ***(2marks)***

   (b) State three uses of sugar in Kenya. ***(3marks)***

3. a) Name three main mining methods. ***(3marks)***

   b) Name two places where Gold is mined in Tanzania. ***(2marks)***

4. a) Outline three characteristics of coniferous forests. ***(3marks)***

   b) Identify two fibre crops found in the tropical forests. ***(2marks)***

5. (a) Name two tourist attractions found in Kenya Rift valley. ***(2 marks)***

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

SECTION B

Answer question 6 and any other questions from this section.

6. The table below shows the prices of sugar in Kenya Shillings per ton in some countries in Africa. Use it to answer question a.(i)

YEAR	KENYA	SOUTH AFRICA	TANZANIA	ZAMBIA
2014	95,400	61,927	68,702	84,447
2015	111,713	67,462	66,985	93,798
2016	110,878	65,173	90,649	86,832

(a) (i) Draw a divided rectangle 16cm long to represent the prices of sugar in the year 2016. ***(8 marks)***

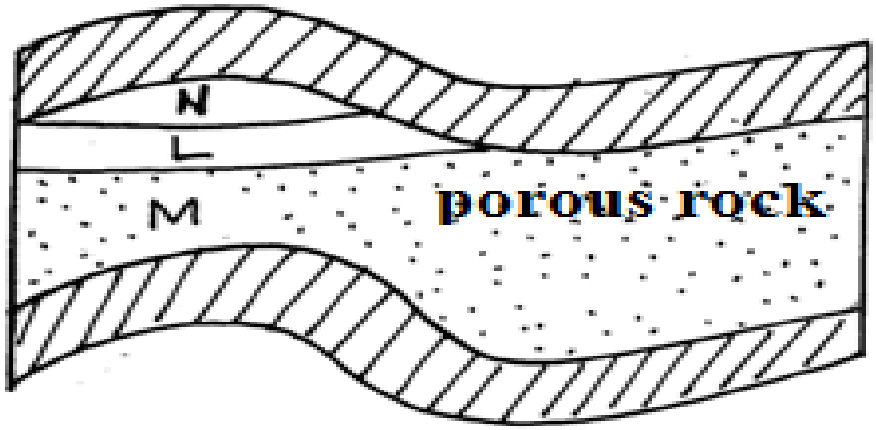
(ii) State two advantages of using divided rectangle to present statistical data. ***(2marks)***

(b) State three physical conditions that favours cocoa farming in Ghana. ***(3 marks)***

(c)Describe stages involved in processing of cocoa from harvesting to marketing. ***(8 marks)***

(d)Apart from making oil give four other uses of oil palm. ***(4 marks)***

7. (a)The diagram below shows the occurence of petroleum in the earth's crust.Use it to answer question a i)



a) (i)Name the substance in the areas labelled L,M and N ***(3marks)***

L……

M……

N……

(ii)Give three by –products obtained when crude oil is refined ***(3marks***

(b)State five effects of mining on the environment ***(5marks)***

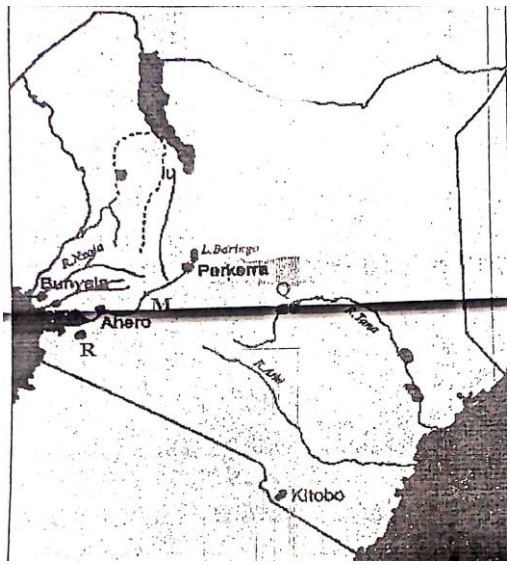
(c) (i)Describe the stages involved in the processing of trona from lake Magadi. ***(6marks)***

(ii)Explain four ways in which Kenya has benefited from the mining of trona on lake Maga*di* ***(8mks)***

8.(a) i. Define the term land reclamation ***(2mks)***

ii. State **four** benefits that resulted from the Reclamation of Yala swamp ***(4mks)***

(b)The diagram below shows the distribution of irrigation schemes in Kenya. Use it to answer the questions that follow



i. Name the irrigation schemes labelled **Q** and **R** ***2mks***

ii. Name the river marked **M** ***1mk***

iii. Explain **four** factors that favoured the establishment of perkerra irrigation scheme ***8mks***

(c)State **four** problems facing irrigation farming in Kenya ***4mks***

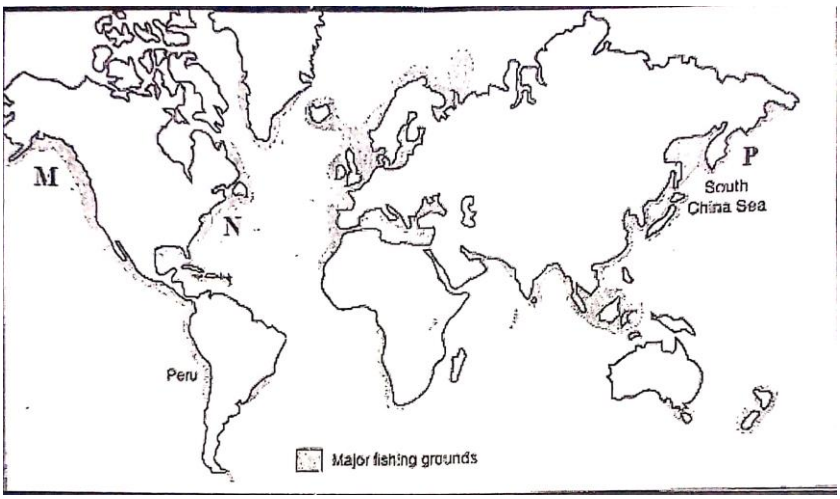
(d) i. What is a polder? ***2mk***

ii. Give **two** differences between land reclamation in Kenya and Netherlands ***2mks***

9.(a) i. Differentiate between pelagic and demersal fish ***2mks***

ii. Name **two** examples of demersal fish ***2mks***

(b) The map below shows major world fishing grounds. Use it to answer the questions that follow



i. Identify the fishing grounds marked **M, N** and **P** ***3mks***

ii. Explain three human factors favouring fishing in the ground marked **P** ***6mks***

(c)Give reasons why Fresh water fishing is more developed in East Africa compared to Marine fishing ***4mks***

(d)Explain **FOUR** measures used in management of fisheries in Kenya ***8mks***

10.(a) i. Define the term Tourism ***1mk***

ii)Name **two** tourist attractions found in the coastal region of Kenya ***2mks***

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

(c)Explain **three** problems experienced by Kenyan government in its effort to conserve wildlife ***6mks***

(d) Explain **four** factors which have made Switzerland a major tourist attraction in Europe ***8mks***

THIS IS THE LAST PRINTED PAGE

NAME..... ADM NO.....

SCHOOL..... CLASS.....

SIGNATURE..... DATE.....

312/2
GEOGRAPHY
Paper 2
Time: 2 ¾ Hours

KCSE TOP PREDICTION MASTER CYCLE 7

Instructions to Candidates:

(a) This paper consists of two sections: **A** and **B**.
(b) Answer **ALL** questions in section **A**. In **section B** answer question **6** and any other **TWO** questions.
(c) All answers to be written on the answer booklet provided.
(d) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

FOR EXAMINERS USE ONLY

1	2	3	4	5	Total

6	7	8	9	10	Total

GRAND TOTAL

SECTION A

Answer All the Questions In This Section (25 Marks)

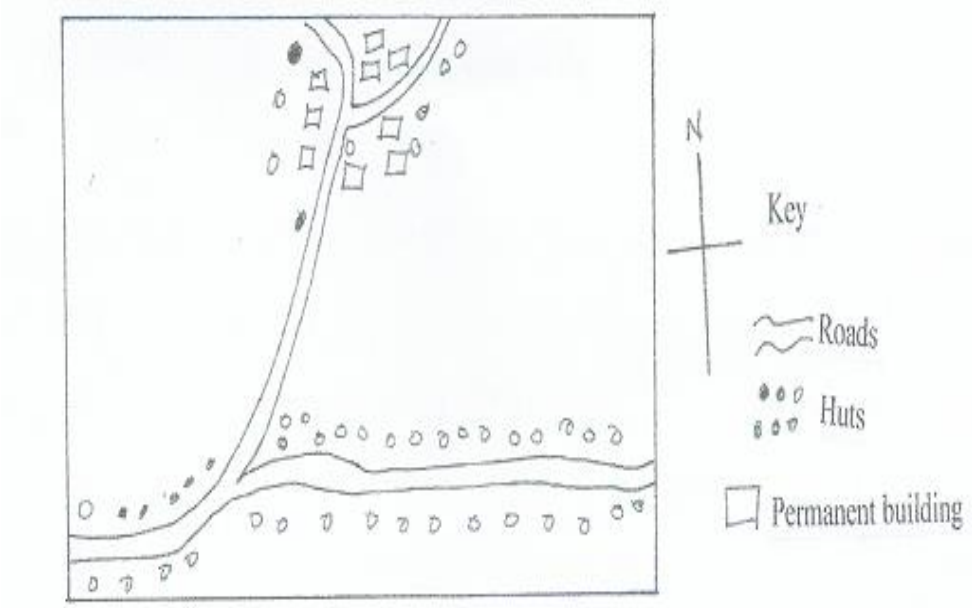
1. (a). Define eco-tourism. ***(2 marks)***
(b). Name any **three** big five wild animals? ***(3 marks)***

2. (a). What is agro-forestry? ***(3 marks)***
(b). Give **three** characteristics of planted forests.

3. (a). Give **two** types of domestic trade. ***(2 marks)***
(b). State **three** factors influencing internal trade in Kenya. ***(3 marks)***

4. (a). Differentiate between environmental management and environmental conservation. ***(2 marks)***
(b). Apart from diseases, give any three natural environmental hazards Diseases, ***(3 marks)***

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



Identify **two** settlement patterns represent by the sketch map. ***(2 marks)***
(b). State **three** causes of rural to rural migration. ***(3 marks)***

SECTION B
Answer question six (6) and any other two Questions from this section.

6. The table below shows three main crops produced in Kenya in the years 2008-2010 (amounts in metric tonnes). Use it to answer questions below.

Crop	2008	2009	2010
Maize	200,000	380,000	400,000
Wheat	100,000	130,000	150,000
Tea	250,000	300,000	350,000

(a)(i) Using a scale of 1cm represent 50,000 metric tonnes, draw a comparative bar graph to represent the data above. ***(8 marks)***

(ii). State **two** advantages of using comparative bar graph. ***(2 marks)***

(b) i). Name **two** counties in Kenya where wheat is grown in large scale. ***(2 marks)***

ii). State **three** conditions that favour wheat farming in Kenya. ***(3 marks)***

(c). State **four** benefits of wheat growing in Kenya. ***(4 marks)***

(d). Explain **three** factors that make Canada produce more wheat than Kenya. ***(6 marks)***

7. (a). Apart from Mwea name five large irrigation schemes in Kenya. ***(5 marks)***

(b). Explain **four** conditions that made Mwea a suitable location for irrigation scheme. ***(8 marks)***

(c). Explain **three** benefits to farmers in the Pekerra irrigation scheme. ***(6 marks)***

(d). Explain **three** problems experienced by farmers in the Perkera irrigation scheme. ***(6 marks)***

8. (a). Name **two** types of cattle breeds kept by nomadic pastoralist in Kenya. ***(2marks)***

(b). Describe the marketing of the animals by the nomadic pastoralists. ***(3 marks)***

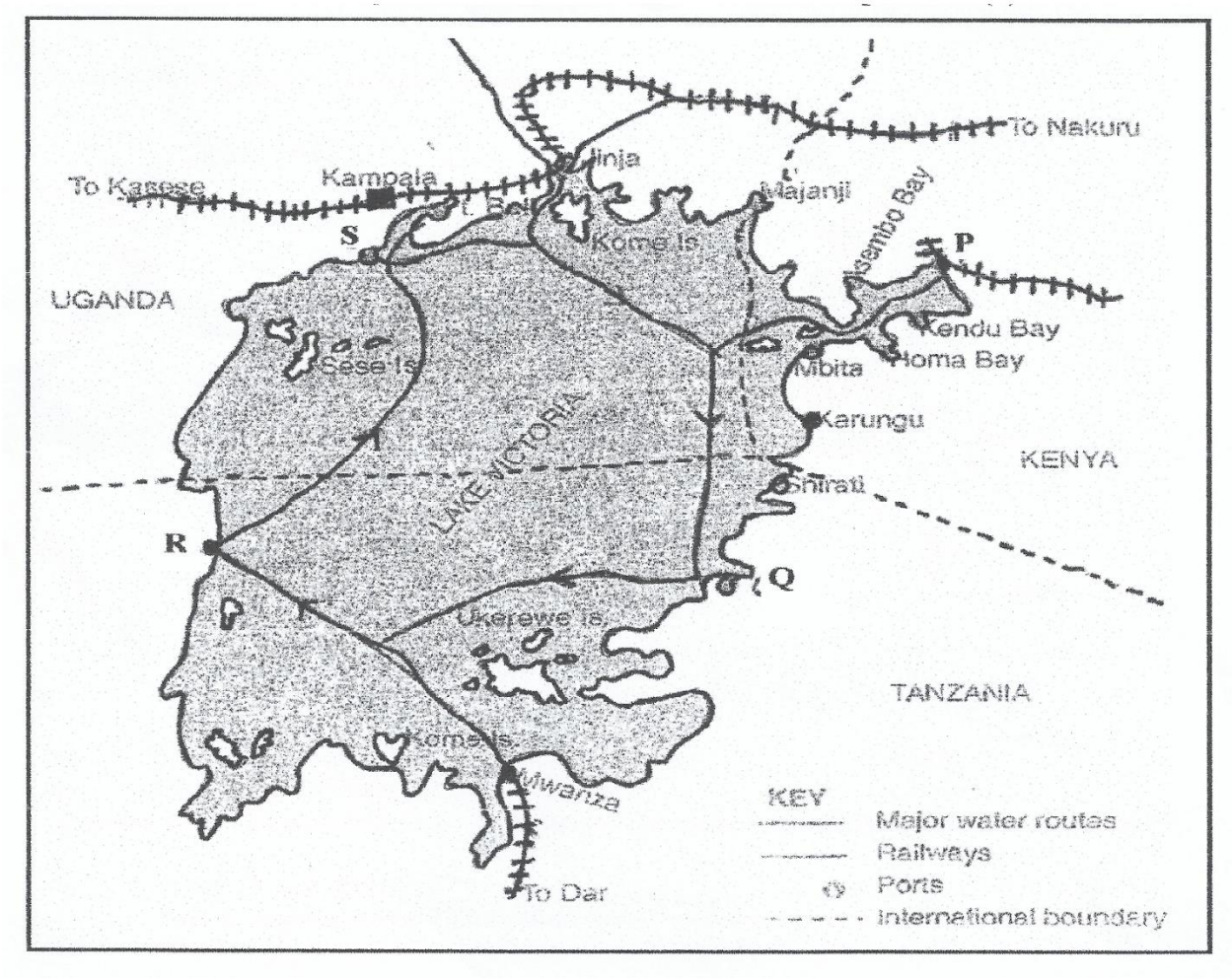
(c). Explain **four** measures taken by the government of Kenya to improve beef cattle farming. ***(8 marks)***

(d). Explain **three** factors that favour beef farming in Argentina. ***(6 marks)***

(e). (i). State **three** problems facing nomadic pastoralism. ***(3 marks)***

(ii). Name **three** products obtained from beef farming in Kenya. ***(3 marks)***

9. Below is a sketch map showing Lake Victoria. Use it to answer question (a).



a). i). Name the ports marked P, Q, R, S ***(4 marks)***

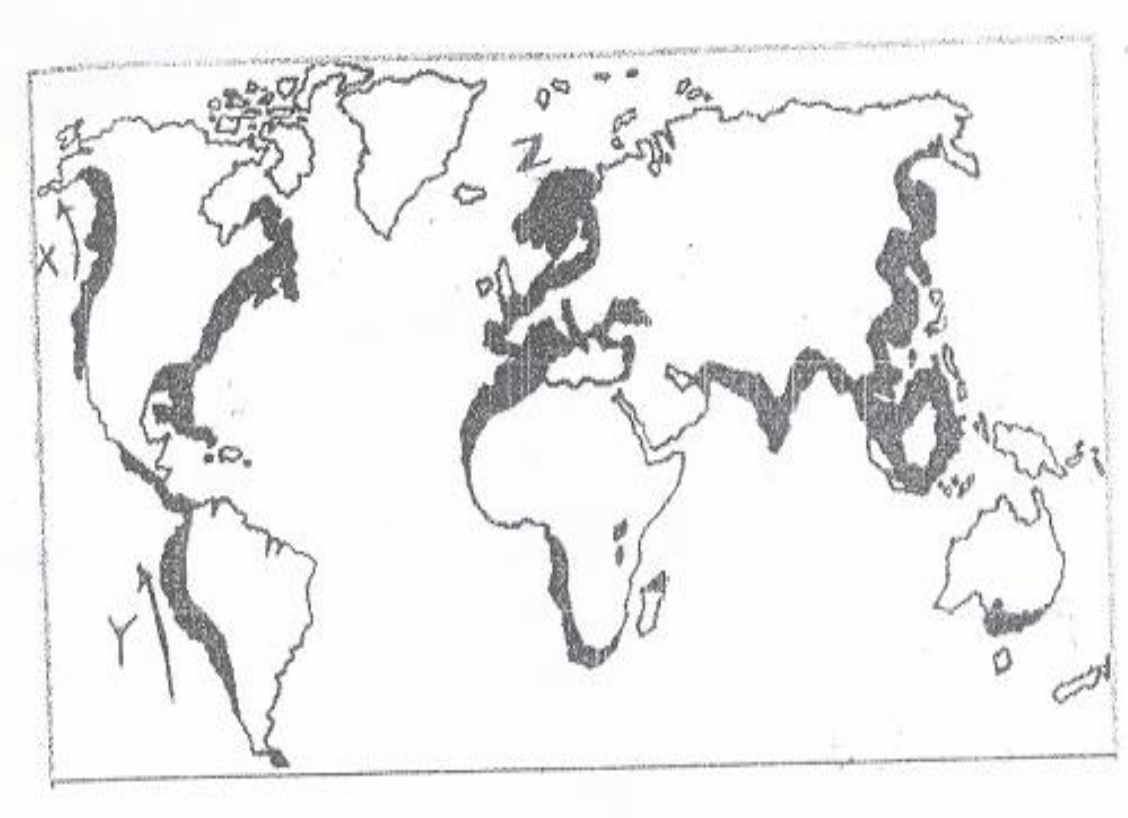
ii). Give **four** advantages of air transport over water transport. ***(4 marks)***

b). i). Name **thr**ee types of communication. ***(3 marks)***

ii). Explain **four** problems facing transport and communication in Africa. ***(8 marks)***

c). Explain the role of the Great Lakes and St. Lawrence Seaway to the economies of Canada and the USA. ***(6 marks)***

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



(a) (i). Name the ocean currents marked x and Y. ***(2 marks)***

(ii). Name the fishing ground marked Z. ***(1 mark)***

(b). Explain **three** physical factors that favour fishing in the fishing ground marked Z**.** ***(6 marks)***

(c) (i). What is fish farming? ***(2 marks)***

(ii). Name **two** fish species reared in fish farms in Kenya. ***(2 marks)***

(iii). Explain **four** problems which are experienced by fish farmers in Kenya. ***(8 marks)***

(d). Give **four** uses of fish. ***(4 marks)***

NAME: ……. ADM NO: …….

SCHOOL …….. CLASS: ……..

SIGNATURE: ……. DATE: ……...

GEOGRAPHY

QUESTION PAPER II

FORM FOUR

TIME: 2 3/4 HOURS

KCSE TOP PREDICTION MASTER CYCLE 8

Instruction to the candidates,

- ***This paper has two Sections: A and B.***
- ***Answer all questions in Section A.***
- ***In Section B Answer question 6 and any other two questions.***
- ***All Answers must be written on a separate answer sheet provided.***

For Examiner's Use Only

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 – 5	25	
B	6	25	
		25	
		25	
		100	

SECTION A

1. a) Apart from fishing name two other economic activities that are practiced along the East African coastal waters ***(2marks)***

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b) Identify three methods of fishing from are used for deep area fishing

(3marks)

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2a) Give physical tourists attractions found in the western region of Kenya ***(3marks)***

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b) State two reasons why domestic tourism is encouraged in Kenya ***(2marks)***

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3a) State two human problems facing HEP projects in Africa ***(2marks)***

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b) State three physical factors that have favoured high hydro-electric power production in Uganda ***(3marks)***

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4a) Give two trading blocks in Africa ***(2marks)***

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b) Identify three political problems facing regional trading blocs in Africa

(3marks)

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5. a) Name two towns in Kenya where motor vehicle assembling plants are located

(2marks)

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b) List three risks associated with the use of motor vehicles ***(3marks)***

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SECTION B

Answer Question 6 and any other TWO Questions in this Section.

6. The photograph below shows cattle rearing in an area in Kenya. Use it to answer the following questions;

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

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(ii) What economic activity is carried out in the area shown by the photograph?

(1mark)

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(iii) Give three counties where the economic activity you identified in (ii) above takes place in Kenya.

(3marks)

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(iv) 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)***

(i) From the photograph, give two indicators showing that the area is experiencing drought-like conditions. ***(2 marks)***

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(ii) Name two exotic breeds of dairy cattle reared in Kenya. ***(2mark)***

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State three physical factors which favour dairy farming in Kenya. ***(3 marks)***

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1. Explain four benefits of dairy farming to the economy of Kenya. ***(8 marks)***

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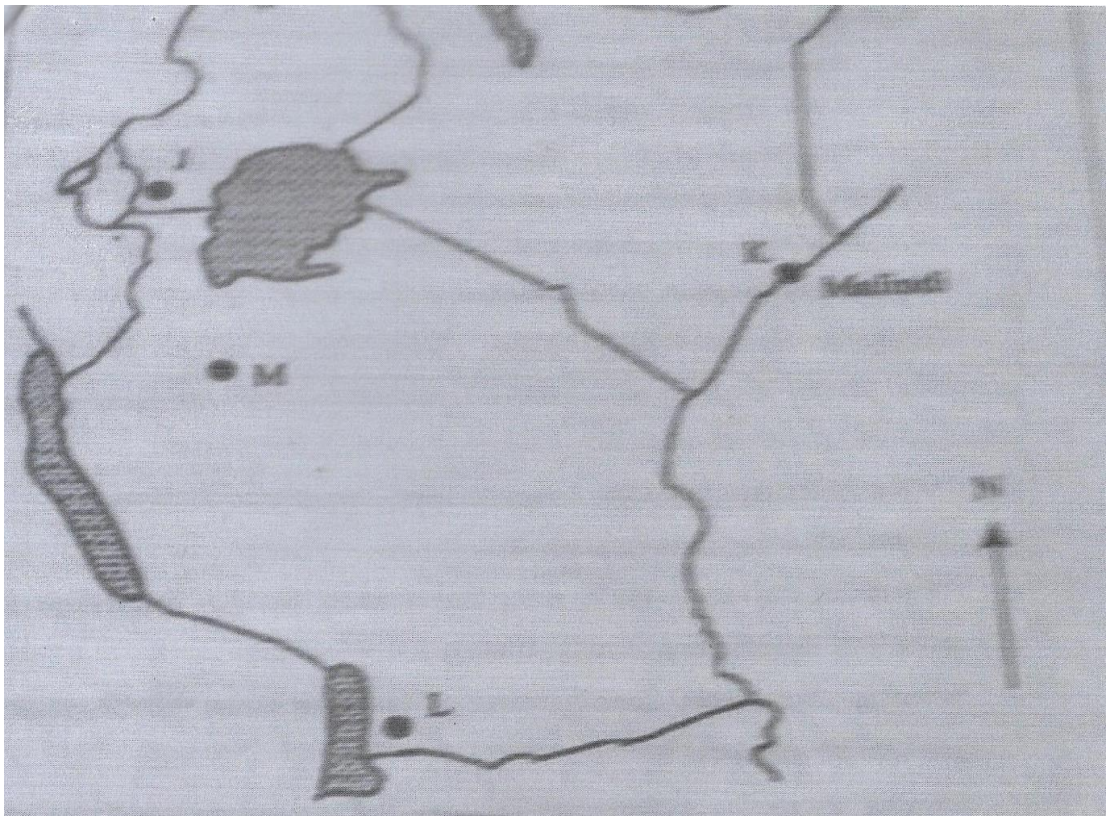
7a) State four factors that influence the occurrence of minerals ***(4marks)***

b) Describe the open cast method of mining? ***(5marks)***

c) Study the map below and answer the questions that follow



i) Name the mineral found in areas marked I, K, L, and M ***(4marks)***

d) Explain three ways in which mining promotes industrialization in Kenya ***(6marks***

(e) Students carried out a felid study about rocks and minerals

i) State three problems they are likely to undergo during the field study ***(3marks)***

ii) Give the follow-up activities they will undertake ***(3marks)***

8 (a) Define the term forestry ***(2marks)***

(ii) Apart from tropical hardwood forest, name three other types of natural forests ***(3marks)***

iii) State the problems experienced in the exploitation of tropical hardwood forest ***(4marks)***

b) List the characteristics of planted forests in Kenya ***(5marks)***

c) Explain three factors that favour forests in Canada ***(6marks)***

d)Give five measures that the government has taken to conserve and manage forests in Kenya ***(5marks)***

9. a Describe the following

(i) Mulching ***(4marks)***

ii)Bunds and gabions ***(6marks)***

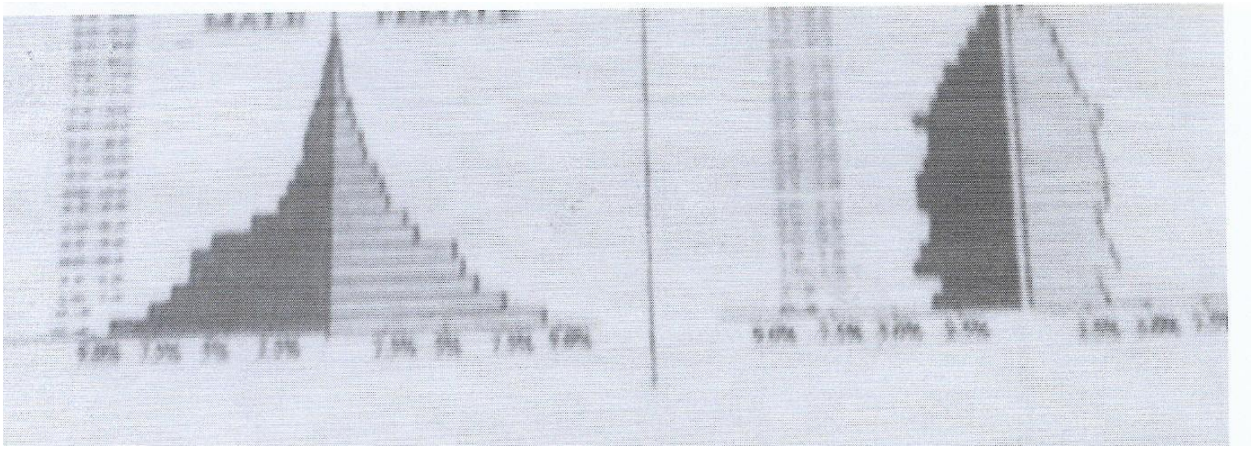
b) Give three ways in which the government of Kenya is trying to rehabilitate overgrazed lands in Kenya ***(3marks)***

c (i) State examples of irrigation methods commonly used in Kenya ***(4marks)***

ii)Explain two conditions that favour irrigation farming in Kenya ***(4 marks)***

d) Give the characteristics of land reclamation in Kenya ***(4marks)***

10a) Describe the characteristics of population of the two countries as represented by the pyramids ***(6marks)***



b(i) What is the meaning of fertility rate? ***(2 marks)***

ii)Explain three factors that have contributed to the reduction in fertility rate in Kenya ***(6marks)***

c) State three problems caused by the slow population growth rate in developed countries ***(3marks)***

d) Explain four causes of rural–rural migration in Kenya ***(8marks)***

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NAME…… **ADM NO**…….
SCHOOL…… **CLASS**…….
SIGNATURE…… **DATE**……

GEOGRAPHY (QUESTION PAPER)

FORM 4

TIME 2¾ HOURS

PAPER 2

KCSE TOP PREDICTION MASTER CYCLE 9

INSTRUCTIONS TO STUDENTS

- This paper consists of two sections **A** and **B**
- Answer **all** the questions in section **A**:
- In section **B** answer question **6** and any other **two** questions.

ALL the answers must be written in the answer booklet provided

ANSWER ALL THE QUESTIONS IN THIS SECTION

1. (a) Name **two** types of fish caught from Lake Victoria ***(2mks)***
   (b) State **three** reasons why fish farming should be encouraged in Kenya ***(3mks)***

2 (a) State **three** physical conditions that favour wheat cultivation in Kenya ***(3mks)***
   (b) Name two provinces where wheat is grown on large scale in Canada ***(2mks)***

3 (a) What is urbanization ***(1mk)***
   (b) State **four** factors which have led to the development of Mombasa as a mojor sea port in the region ***(4mks)***

4 Differentiate between land reclamation and land rehabilitation ***(2mks)***
   (b) State **three** factors that influenced the establishment of perkerra irrigation scheme ***(3mks)***

5 (a) List **two** forms of telecommunication services in Kenya ***(2mks)***

(b) State **three** ways in which Kenya would benefit from construction of standard gauge railway (3mks)

SECTION B: ANSWER QUESTION 6 AND ANY OTHER TWO.

6. Use the data below to answer questions that follow:

Kenya's Export crop (1986-1989) in tonnes

Year/crop	**1986**	**1987**	**1988**	**1989**
Coffee	12.6	10.0	9.1	9.8
Tea	11.6	13.5	13.8	16.3
Sisal	3.2	2.8	3.1	3.3

(a)(i) Calculate the tones of crop export from Kenya between 1986-1989 ***(2mks)***

(ii) Draw a compound bar graph to represent Kenya Export (1986-1989) ***(8mks)***
(Scale 1 cm ref 5 tonnes)

(iii) Give **two** advantages of using compound bar graphs to represent data ***(2mks)***

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

c) i) A part from being a beverage, state **any** other use of coffee. ***(1mk)***

ii) Explain two significance of coffee industry to the Kenyan economy. ***(4mks)***

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

(ii) State **three** ways in which minerals occur. ***(3mks)***

(b) (i) Describe shaft mining method. ***(5mks)***

(ii) Outline **three** challenges faced by shaft miners. ***(3mks)***

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

(d) Highlight **three** ways in which mining derelicts can be reclaimed. ***(3mks)***

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

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

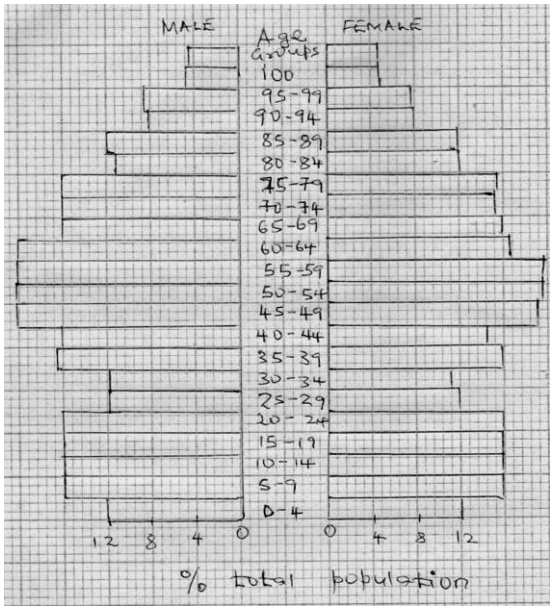
(iii)Explain **three** effects of air pollution on the environment. ***(6mks)***

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

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

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

9. The pyramid below represents the population structure of country A.
Use it to answer the questions that follow.



a. Describe the characteristics of the population represented by the pyramid. ***(8mks)***
b. Apart from migration, explain **four** factors that influence population growth and structure. **(8mks)**
c. State **two** positive effects of high population growth. ***(2mks)***
d. i. Give **five** problems that could arise from overpopulation**.** ***(5mks)***
ii. Name **two** sources of population data. ***(2mks)***

10.(a) (i) What is energy? ***(1mk)***
(ii) Name **three** renewable sources of energy. ***(3mks)***
(b) (i) State **four** factor that led to the implementation of the seven forks dam project in Kenya**.** **(4mks)**
(ii) Explain **three** benefits of seven forks Dam to the economy of Kenya. ***(6mks)***
(c) (i) Name **two** countries in Eastern Africa where crude oil has been discovered. ***(2mks)***
(ii) Describe the mode of formation of crude oil. ***(4mks)***
(d) State **five** reasons why Kenya is investing in the development of renewable sources of energy. ***(5mks)***

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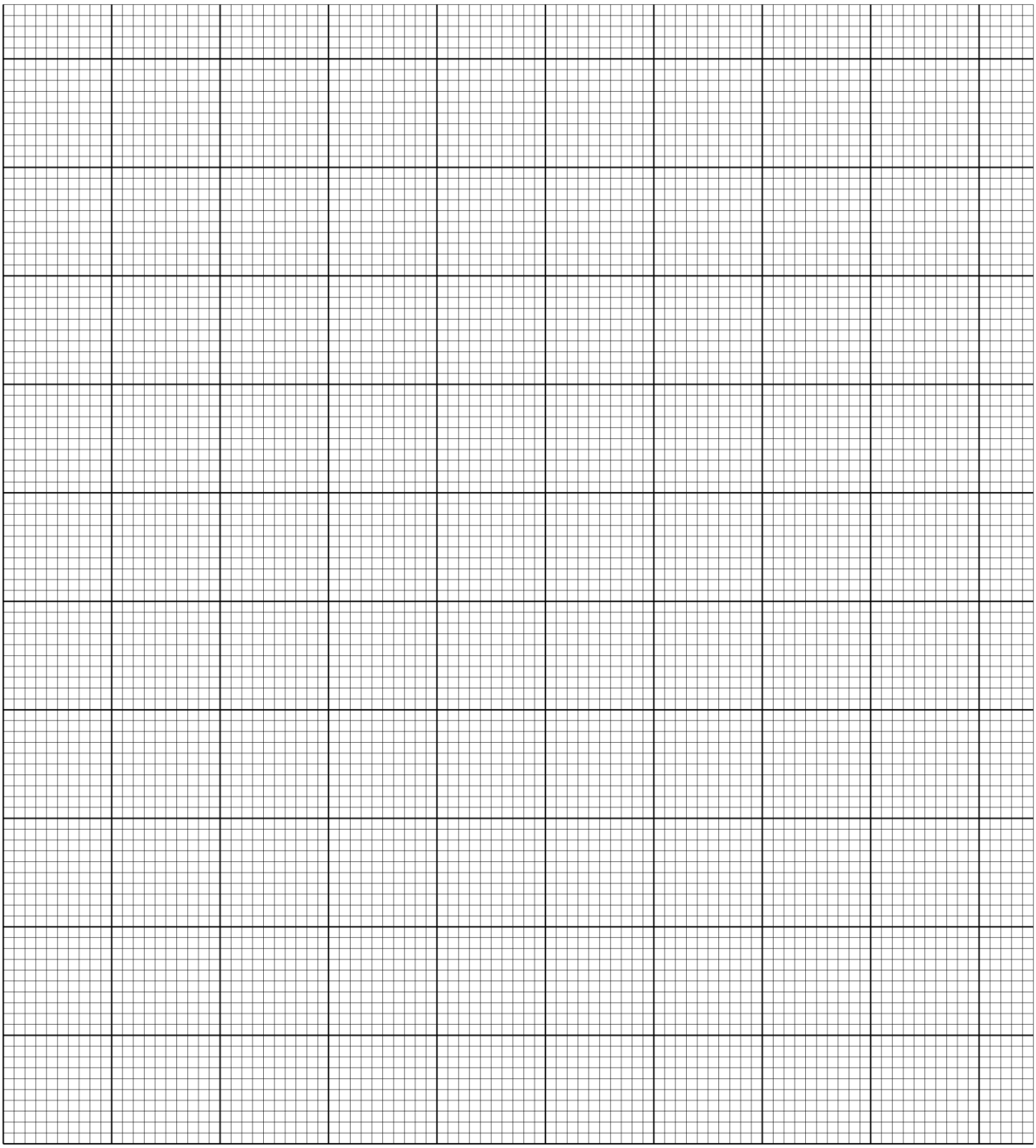


NAME: ……..**ADM NO. :** ……**CLASS** ……

SIGNATURE: ……...**DATE**: ……SIGN ……..

SCHOOL ……..

GEOGRAPHY
PAPER 2
TIME: $2^{3}/_{4}$ HOURS

KCSE TOP PREDICTION MASTER CYCLE 10

INSTRUCTIONS TO CANDIDATES

- *This paper consists of two sections; section A and section B.*
- *Answer all questions in section A. In section B answer question 6 and any other two questions.*
- *All answers must be written in the answer booklet provided.*
- *This paper consists of 5 printed pages.*
- *Candidates should check to ascertain that all pages are indicated and that no questions are missing.*

FOR EXAMINERS ONLY

QUESTION	MARKS
SECTION A	
6	
7	
8	
9	
10	

SECTION A:

Answer all questions in this section

1a) Name two examples of natural forests in the coastal region. ***(2mks)***

b) Give three reasons why agroforestry is encouraged in Kenya***. (3mks)***

2. a) Name two main land reclamation projects in Netherlands ***(2mks)***

b) Give two benefits that resulted from reclamation of Yala Swamp ***(2mks)***

3 a) Name two breeds of cattle kept by nomadic pastoralists in Kenya. ***(2mks)***

b) Give four features of nomadic pastoralism ***(4mks)***

4 a) State four measures taken to promote domestic tourism in Kenya. ***(3mks)***

b) Identify two physical tourist attraction sites in Switzerland***. (2mks)***

5 a) Distinguish between transport and communication. ***(2mks)***

b) State two causes of increased road accidents in Kenya. ***(3mks)***

SECTION B

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

6. The table below shows the value of cash crops in Kenya shilling millions. Use to answer question (a).

CROP/YEAR	**2015**	**2016**	**2017**
Coffee	10,000	13,000	14,000
Tea	10,000	12,000	12,000
Pyrethrum	9,000	8,000	5,000

(a) (i) Using a vertical scale of 1cm to represent 1,000,000,000 shillings, draw a comparative bar to represent the data above. ***(8 marks)***

(ii) Apart from comparative bar graphs, name **two** other methods that can be used to represent the above data. ***(2 marks)***

(b) (i) Name **two** Counties where coffee is grown on large scale in Central Kenya. ***(2 marks)***

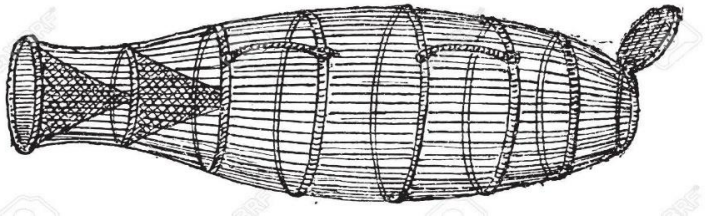
(ii) Describe the stages in the cultivation of coffee from land preparations to the harvesting stage. ***(7 marks)***

(c) Explain **three** problems that faced by small scale coffee farmers in Kenya. ***(6 marks)***

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

(ii) State **three** reasons why fish farming is encouraged in Kenya. ***(3 marks)***

(b) The diagrams below shows some fishing methods. Use it to answer the question below.



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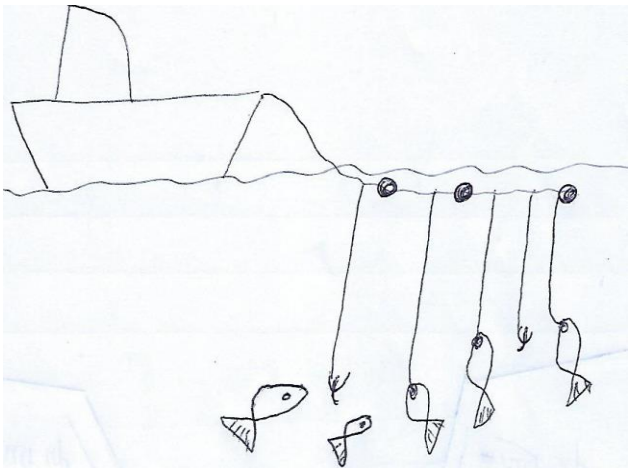

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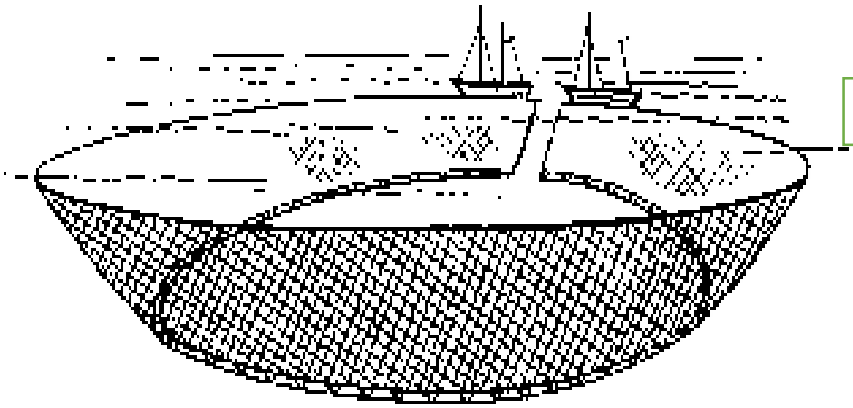
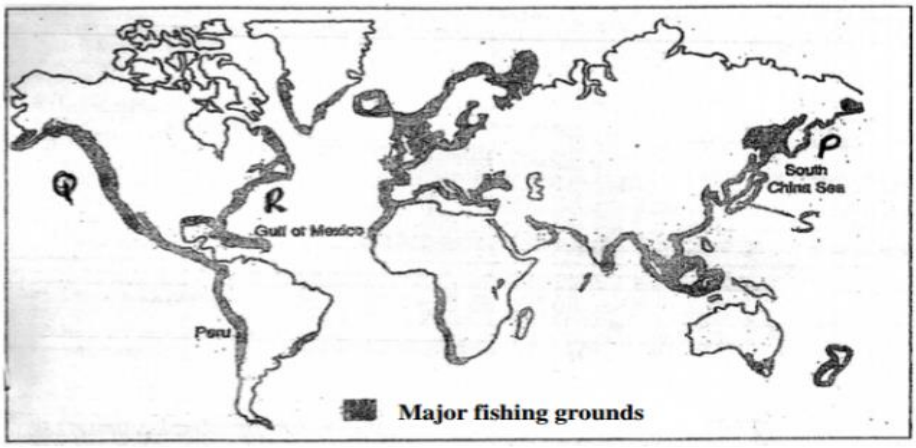


V

(i) Identify the fishing method marked **R** and **U**. (2 marks)

(ii) Describe the fishing method marked **V** in the diagram above is used to catch fish. (6 marks)

(c) The map below shows the main fishing grounds in the world.



(i) Name the fishing ground marked **P**. ***(1 mark)***

(ii) Identify the country marked S. ***(1 mark)***

(iii) Explain **three** physical factors which favour fishing in the fishing ground marked P. ***(6 marks)***

(d) State **four** problems facing fishing marine fishing in Kenya. ***(4 marks)***

8 a) i) What is mining? ***(2mks)***

ii) Give two formations in which mineral ores occur ***(2mks)***

b) Explain how the following factors influence the exploitation of minerals

i) Quality of the ore ***(2marks)***

ii) Level of technology ***(2marks)***

c) Describe the dredging mining method ***(4mks)***

d) i) State three uses of soda ash ***(3marks)***

ii) Explain two problems facing soda ash mining at Lake Magadi in Kenya ***(4mks)***

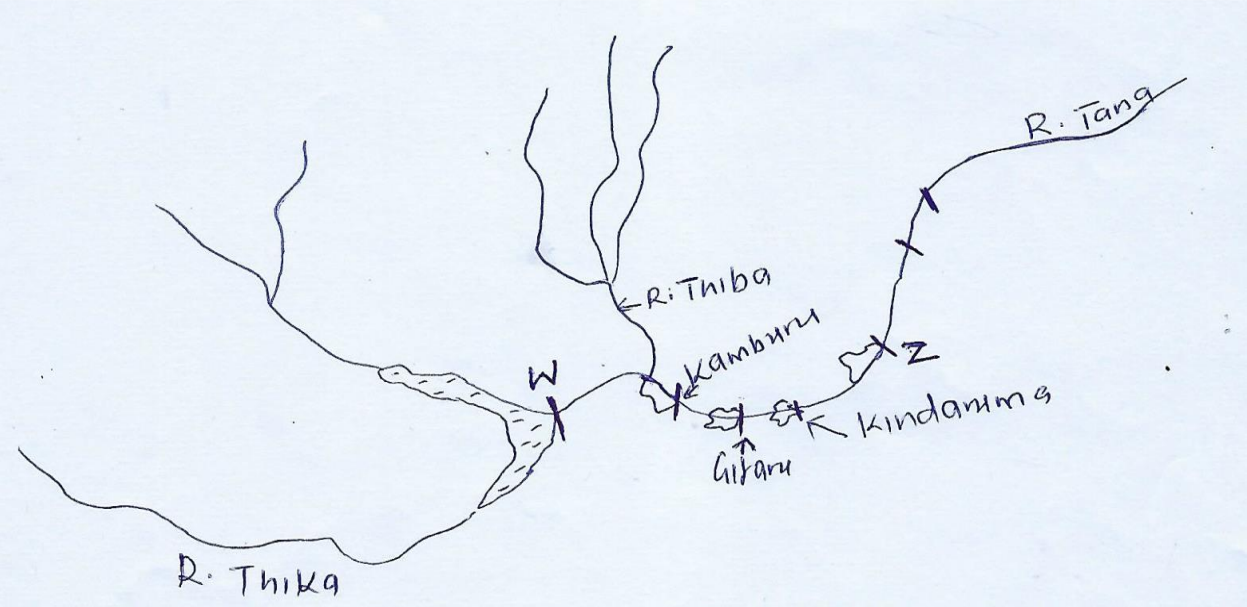
e). Explain three ways in which diamond mining has contributed to the economy of South Africa ***(6mks)***

9. (a) (i) Other than wind, name **two** other sources of renewable energy. ***(2 marks)***

(ii) Name one main wind power station in Kenya. ***(1 mark)***

(iii) State **three** advantages of using wind as a source of energy. ***(3 marks)***

(b) The map below shows the Seven Forks hydroelectric power scheme.



(i) Name the dams marked **W** and **Z**. ***(2 marks)***

(ii) Explain **three** physical factors that influenced the location of the Seven Forks HEP project. ***(6 marks)***

(iii) State **three** economic benefits of the Seven Forks HEP project. ***(3 marks)***

(d) (i) What is energy crisis? ***(2 marks)***

(ii) Explain **three** effects of the increasing petroleum prices to the Kenyan economy. ***(6 marks)***

10 a) i) Distinguish between industries and ***industrialization (2mks)***

ii) Give three reasons why Kenya's striving to be industrialized ***(3mks)***

b)i) State four characteristics of cottage industries in in Kenya. ***(4mks)***

ii) Give two examples of cottage industries in Kenya. ***(2mks)***

c) Explain three problems associated with industrialization in Kenya. ***(6mks)***

d) i) Explain three factors that influenced the location of the iron and steel industry in the Ruhr Industrial region.(***6mks)***

ii) Apart from the iron and steel industries, name two other industries in the Ruhr industrial region. ***(2mks)***