

TOP STUDENT KCSE

GEOGRAPHY PREDICTIONS

(SERIES 1)

FOR MARKING SCHEMES

AND OTHER SIMILAR

RESOURCES, CALL/WHATSAPP

0746 711 892

N/B: DUE TO HIGH COSTS INCURRED

WHILE COMING UP WITH THIS AND OTHER SIMILAR RESOURCES,

MARKING SCHEMES ARE NOT FREE OF

CHARGE.

QUESTIONS ARE FREE

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

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

DATE.....

TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 1

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

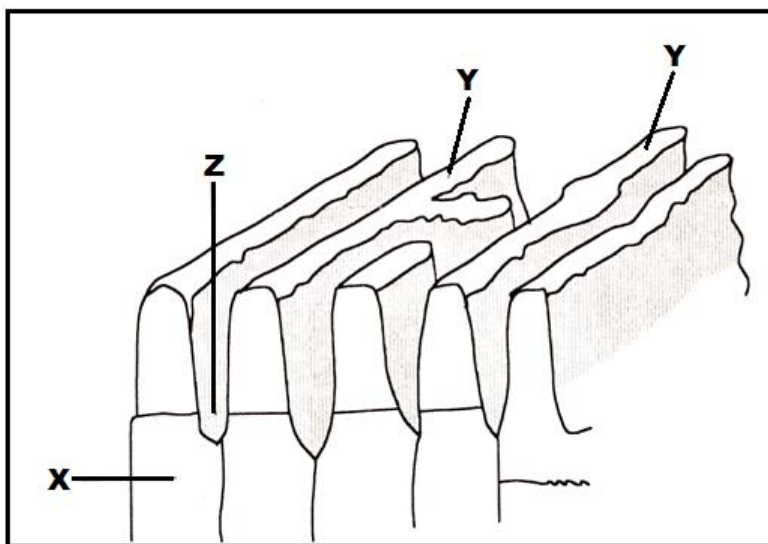
- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

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

1. (a)What is a natural satellite? (2marks)
(b)Give two dates of the year when equinox occurs. (2marks)
2. (a)Differentiate between natural vegetation and secondary vegetation . (2marks)
(b)State three ways in which rainfall influences the distribution of natural vegetation in Kenya. (3marks)
3. (a)List two land masses that formed from Laurasia according to the continental drift theory. (2marks)
(b)State two effects of earth movements on the landscape. (2marks)
4. The diagram below shows some features of a karst scenery. Use it to answer question (a) and (b).



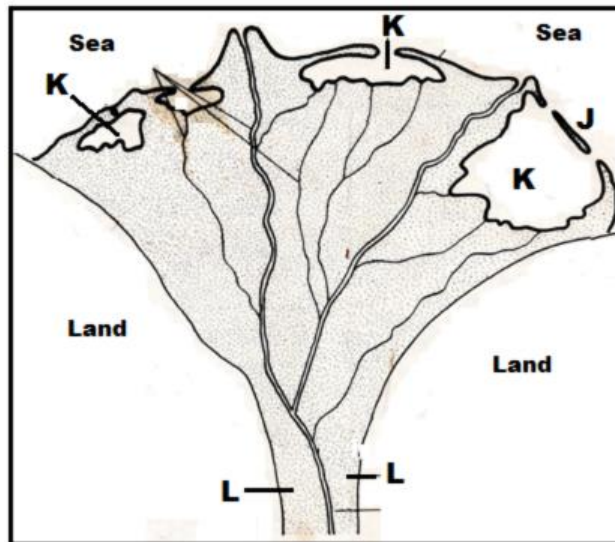
- (a) Name the features marked X, Y and Z. (3 marks)
 - (b)How is the feature marked Z formed? (3 marks)
5. (a)State three factors that affect the permanence of a lake. (3 marks)
(b)Outline three sources of lake water (3 marks)

SECTION B.

(answer question 6 and any other two questions.)

6. Study the topographical map of TAITA HILLS provided and use it to answer the following questions.
 - (a)(i)What is the longitudinal extent of the area covered by the map? (2marks)
 - (ii)Determine the bearing of a water tank at grid square 3927 from the water tank east of Kigala hill. (2marks)

- (b) (i) Citing evidence, give four economic activities carried out in the area covered by the map. (4marks)
- (ii) Describe the distribution of natural vegetation in the area covered by the map. (4marks)
- (c) Citing evidence from the map, explain two factors that favour the establishment of Teita Sisal estates. (4marks)
- (d) (i) Using a vertical scale of 1cm to represent 50 m draw an accurate cross section from grid reference 300190 to grid reference 360190. On the cross section, mark and name:
- A hill
 - A river valley
 - Main track (motorable) (7marks)
- (ii) Calculate the vertical exaggeration of the cross section. (2 marks)
7. (a) (i) Differentiate between weather and climate. (2 marks)
- (ii) List four factors that influence humidity of a place. (4 marks)
- (b) Describe how convectional rainfall is formed. (6 marks)
- (c) Explain how the following factors influence climate.
- (i) Altitude. (4 marks)
 - (ii) Distance from the sea (4 marks)
- (d) State the characteristics of mountain climate. (5 marks)
8. (a) (i) State four causes of vulcanicity. (4 marks)
- (ii) Give three examples of volcanic materials. (3marks)
- (b) Describe how the following features are formed.
- (i) Basic lava domes. (5marks)
 - (ii) Laccolith. (5marks)
- (c) Suppose you were to carry out a field study of a volcanic landscape.
- (i) State four reasons why it is important to prepare a work schedule. (4marks)
 - (ii) State four advantages of using observation as a method of data collection. (4marks)
9. (a) (i) What is a river? (2marks)
- (ii) Name four features formed due to river erosion. (4marks)
- (b) Use the diagram below to answer question (i) and (ii)



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

(1mark)

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

(3marks)

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

(7marks)

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

(8marks)

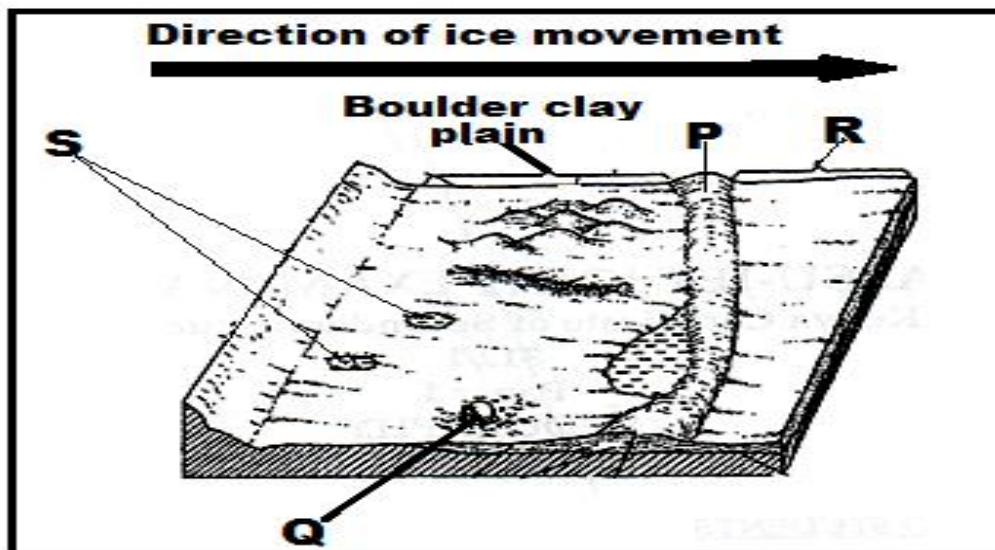
10. (a)(i) List **three** types of glacier.

(3marks)

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

(8marks)

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



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

(4marks)

(ii) Describe how a hanging valley is formed.

(6marks)

(d) Explain **two** negative effects of glaciated landscapes.

(4marks)

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

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 1

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

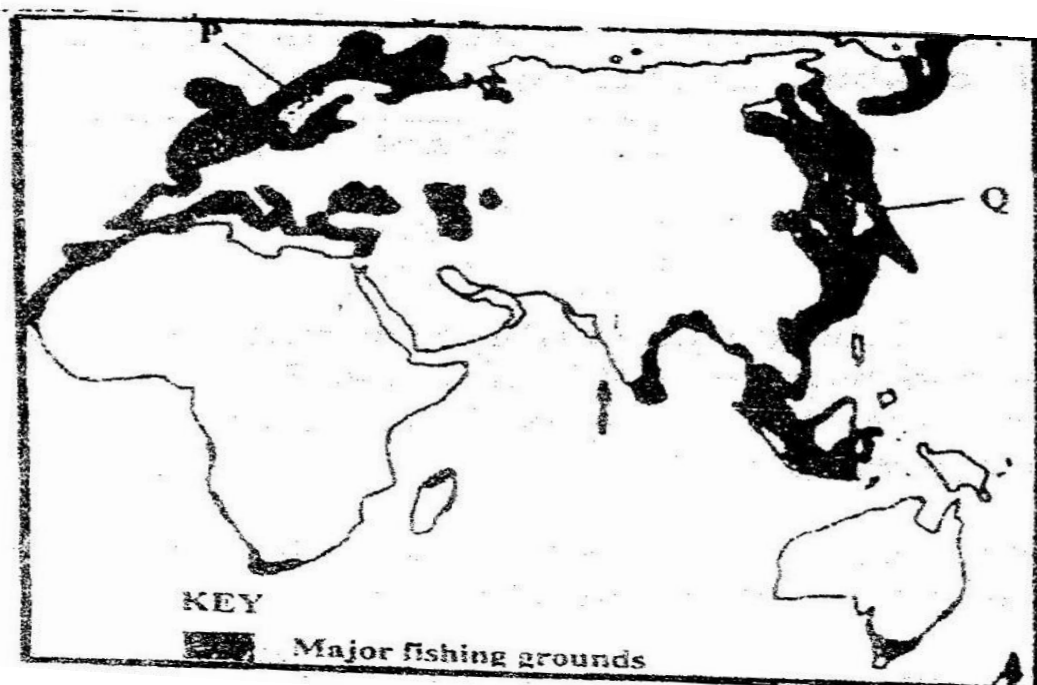
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A

Answer all the questions in this section.

1. (a).What is mining? (2 marks)
(b)State **three** ways in which opencast mining affects the environment. (3marks)
2. a)What is urbanization? (2marks)
b)Give **three** differences in the function of New York and Nairobi cities (3marks)
3. The map below shows some major fishing grounds in the world. Use it to answer question (a)



- (a)(i) Name the countries marked P and Q (2marks)
(ii) State **three** conditions that favour fishing in the shaded coastal waters (3marks)
- 4 i) Give **two** primary sources of population data (2marks).
ii) What information can be derived from a population pyramid (3marks)
5. (a) Apart from windstorms, name **two** other environmental hazards associated with climatic conditions. (2 marks)
(b) Identify three ways that are used to control floods in Kenya (3 marks)

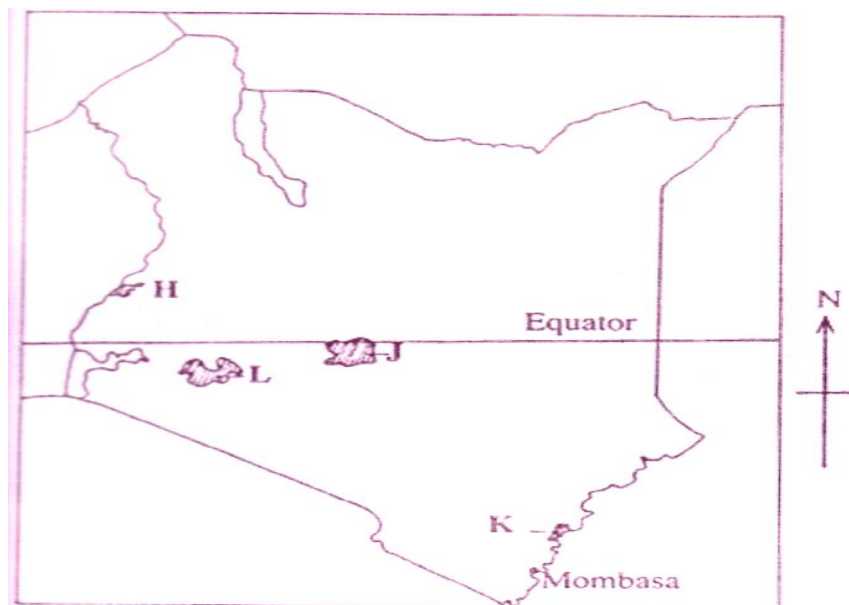
SECTION B

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

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

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

- a) Using a scale of 1cm to represent 2,000 million ksh draw a comparative line graph based on the data above. **(8marks)**
- b) State **two** advantages of using comparative line graph. **(2marks)**
- c) State **three** physical conditions required for the growing of
 i) Tea **(3marks)**
- (d) Describe the stages involved in coffee production from picking to marketing **(8 marks)**
- (e) Identify **four** ways in which drought affects the agricultural sector in Kenya **(4 marks)**
-
- 7(a) (i) Apart from coniferous forest, name **two** other types of natural forests. **(2marks)**
- (ii) State **two** characteristics of coniferous which favour their exploitation. **(2marks)**
- (b) Explain **three** factors that favour the growth of natural forests on the slopes of Mt.Kenya. **(6marks)**
- (c) Use the map of Kenya below to answer questions (i) and (ii).



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

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

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

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

(ii) Name a town in Kenya where each of the following industries are located

- Oil refining (1mark)

- Paper manufacturing (1mark)

- Motor vehicle assembly (1mark)

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

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

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

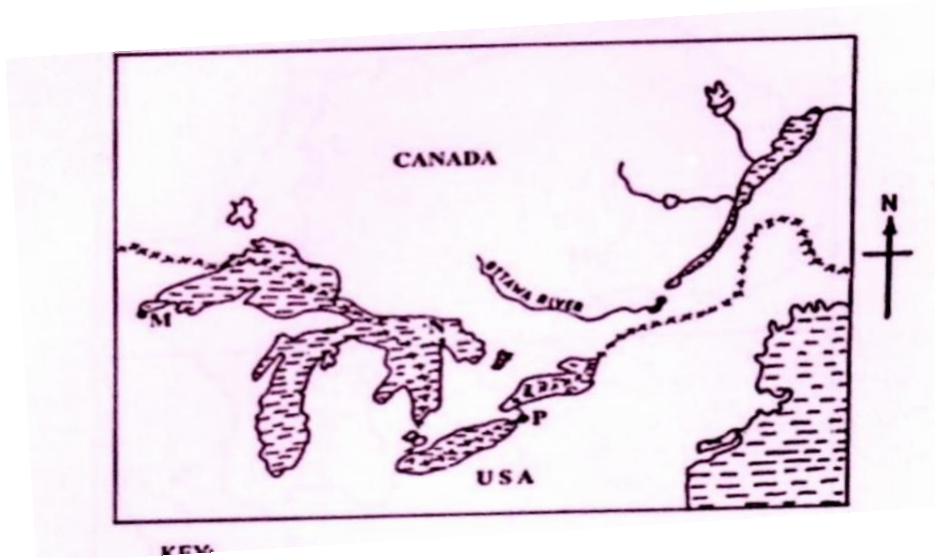
(d) You intend to carry out a field study of furniture – making industry in the local

(i) State two reasons why it would be necessary for you to visit the area of study in advance (2 marks)

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

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

9. a) i) State **two** advantages of written communication. (2 marks)
- ii) State **two** ways in which Kenya is benefiting from the construction of the Standard gauge railway. (2 marks)
- b) The sketch map below shows the Great Lakes and St. Lawrence Seaway. Use it to answer the following questions.



KEY:

xxxxxx - International Boundary.

Name:

- (i) the ports marked M and P. (2 marks)
- (ii) the Lake marked N. (1 mark)
- c) Explain three ways in which the great lakes St. Lawrence sea way has contributed to the economy of Canada and the United States of America (U.S.A) (6 marks)
- d) Give four reasons why there is limited use of river transport in Africa. (4 marks)
- e) Explain four measures that the government has taken to improve road transport in Kenya. (8 marks)
10. (a) (i) Distinguish between visible and invisible exports. (2 marks)
- (ii) Name **two** seaports that handle exports in East Africa. (2 marks)
- (b) Explain **three** measures Kenya can take to reduce her unfavourable balance of trade. (6 marks)
- (c) Explain **three** reasons for low volume of trade between the countries in Africa. (6 marks)
- (d) (i) State **three** benefits of ECOWAS to the member states. (3 marks)
- (ii) Explain three negative effects of international trade (6 marks)

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 2

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

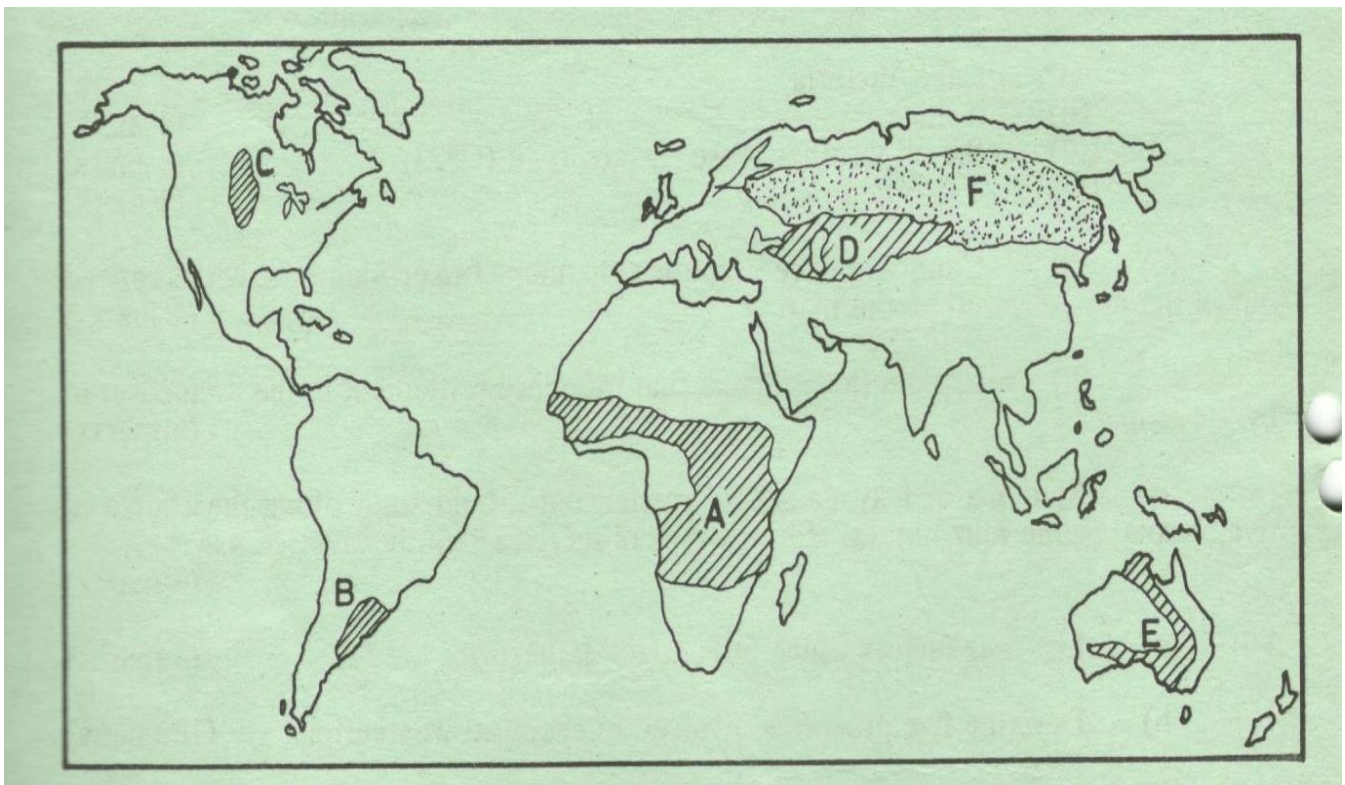
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A

Answer all the questions in this section.

- 1.(a) Differentiate between latitudes and longitudes. (2 mks)
(b) State **three** reasons why the interior of the earth is very hot. (3 mks)
2. Describe the origin of the continents according to the theory of continental drift . (5mks)
- 3.(a) Name the **three** main stages of the long profile of a river (3 mks)
(b) State **three** conditions under which gorges may form (3 mks)
- 4.(a) Give **two** sources of underground water. (2mks)
(b) State **three** conditions that favour the formation of artesian wells. (3mks)
- 5.(a) What is the meaning of the term vegetation? (1 mk)
(b) Use the sketch map below to answer the questions that follow



- i) Identify the type of vegetation in the shaded region marked **F** (1 mk)
ii) State **two** characteristics of the above identified vegetation type (2mks)

SECTION B

Answer question six and any other two questions from this section

Study the map provided of **Taita Hills 1:50000**(Sheet 189/14) and answer the questions that follow.

- 6.(a)** (i) Convert the scale of the map into a statement scale. (1mk)
(ii) Give the six grid figure reference of the dispensary at Ronge forest. (2mks)
(iii) Calculate the area of Ronge forest. Give your answer in KM^2 (2mks)
- (b.)** (i) What is the actual height of the hill at grid square 3926. (1 mk)
(ii) Describe the distribution of settlement in the area covered by the map. (4mks)
- (c).** Draw a cross section from grid reference **360160** to grid reference **440160**. Use a vertical scale of 1cm to represent 20m. (4mks)
On the cross-section, mark and name the following;
(i) A railway line. (1mk)
(ii) Thicket vegetation (1mk)
(iii) A hill (1mk)
- d)** Students of Weruga School (grid square 2524) carried out a field study on vegetation west of their school.
(i) Give **three** reasons why they would require a time schedule. (3 mks)
(ii) Name **two** natural vegetation that they identified. (2 mks)
- e)** Citing evidence from the map name **three** social services that are carried out in the area covered by the map. (3mks)
- 7.(a)** (i) What is ocean salinity? (2mks)
(ii) Give **three** sources of mineral salts in ocean water. (3mks)
(b) Explain **three** factors that cause horizontal movement of ocean water. (6mks)
(c) Describe how the following are formed
(i) Wave-cut platform. (4mks)
(ii) Cuspate foreland. (5mks)
(d) You intend to carry out a field study on wave deposition on the coast of Kenya.
(i) Formulate **two** hypotheses for your study. (2mks)
(ii) Give **three** reasons why you would need to state objectives for your study. (3mks)

8. a) (i) List **four** characteristics of desert soils. (4 mks)
 (ii) Give **two** factors that contribute to soil leaching. (2 mks)
 b) Explain how each of the following factors influence the formation of soil
 (i) Parent rock (2 mks)
 (ii) Living organisms (2 mks)
 (iii) Topography (2 mks)
 c) Draw a well labelled profile of a mature soil. (5 mks)
 d) Differentiate between a soil profile and soil catena. (2 mks)
 e) Explain **three** ways in which human activities contribute to soil erosion. (6 mks)
9. (a)(i) What is a glacier? (2mks)
 (ii) How is a glacier formed? (4mks)
 b) (i) Explain **three** processes through which ice moves (6mks)
 (ii) Describe the formation of a cirque (3mks)
 c) Describe how the movement of valley glaciers is influenced by the following factors
 (i) Temperature (2marks)
 (ii) Width of glacier channel (2marks)
 d) You intend to carry out a field study on Mt Kenya
 (i) Name **three** types of moraines you are likely to identify (3mks)
 (ii) State **three** problems you are likely to encounter (3mks)
- 10.a)(i) Define the following features
 ▪ Erg (1 mk)
 ▪ Hamada (1 mk)
 ▪ Reg (1 mk)
- (ii) State **two** factors that contribute to the development of hot desert. (2 mks)
 b) With the aid of well labeled diagrams explain how a rock pedestal is formed. (8mks)
 c) Explain **three** factors that influence wind transportation in a desert. (6 mks)
 d) You are required to carry out a field study of an arid area in Kenya.
 (i) Formulate **two** objectives for the study findings. (2mks)
 (ii) State **two** measures the government would put in place to curb desertification in Kenya. (2mks)
 (iii) Name any **two** features resulting from action of water in desert areas. (2mks)

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

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 2

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A

Answer all the questions in this section

- 1 a) State **three** factors that contribute to growth of slums in urban centers. (3mk)
b) List **two** types of settlement patterns in Kenya. (2mk)
- 2 a) State **three** physical conditions that favour growing of maize in Kenya. (3mk)
b) Give **two** problems facing maize farming in Kenya. (2mk)
- 3 a) What is air pollution? (2mk)
b) State **three** ways that Kenya has adopted to manage air pollution. (3mk)
- 4 a) Differentiate between a national park and a game reserve. (2mk)
b) State **three** effects of human encroachment into wildlife habitats. (3mk)
- 5 a) Name **two** places where diamond mining is done in South Africa. (2mk)
b) State **three** problems facing gold mining in South Africa. (3mk)

SECTION B

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

- 6 a) The photograph below shows a crop cultivated under horticultural farming.



- i) identify the type of photograph shown above. (1mk)
ii) Using evidence from the photograph, identify **two** indicators that show the area receive

high rainfall.

(2mk)

iii) Draw a rectangle measuring 15 cm by 10 cm and on it sketch and show the main features.

(4mk)

b) State four reasons why growing of vegetables in green houses in Kenya would be preferred.

(4mk)

c) Explain four difficulties that the Kenyan farmer face in marketing horticultural produce.

(8mks)

d) Explain three similarities between horticultural farming in Kenya and Netherlands. (6mk)

7a) Differentiate between pelagic fishing and demersal fishing.

(2mk)

b) State four reasons why marine fisheries are not well developed in Kenya.

(4mk)

c) i) Explain three reasons why Lake Victoria is a major fishing ground in Kenya.

(6mk)

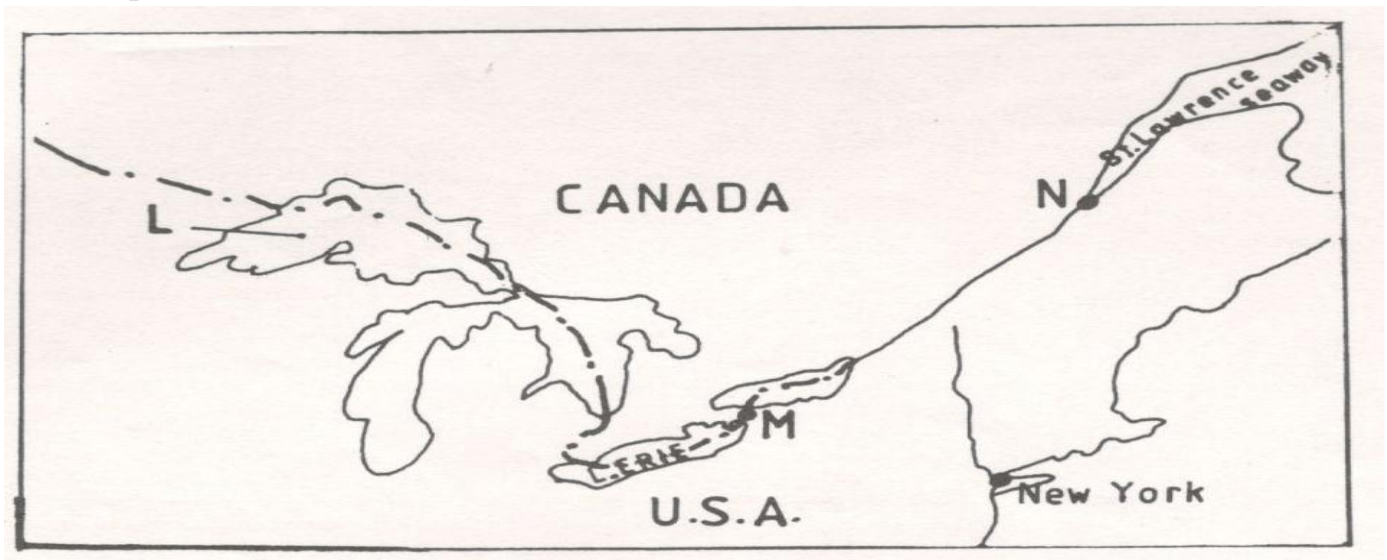
ii) Give five ways in which fresh water fisheries in Kenya can be conserved.

(5mk)

d) Explain four differences between fishing in Kenya and Japan.

(8mk)

8 The sketch map below shows the Great Lakes and the St. Lawrence sea way. Use it to answer question (a)



a) i) Name the lake marked L.

(1mk)

ii) Name the waterfall marked M.

(1mk)

iii) Name the sea port marked N.

(1mk)

b) i) List three objectives that led to the construction of the St. Lawrence sea way. (3mk)

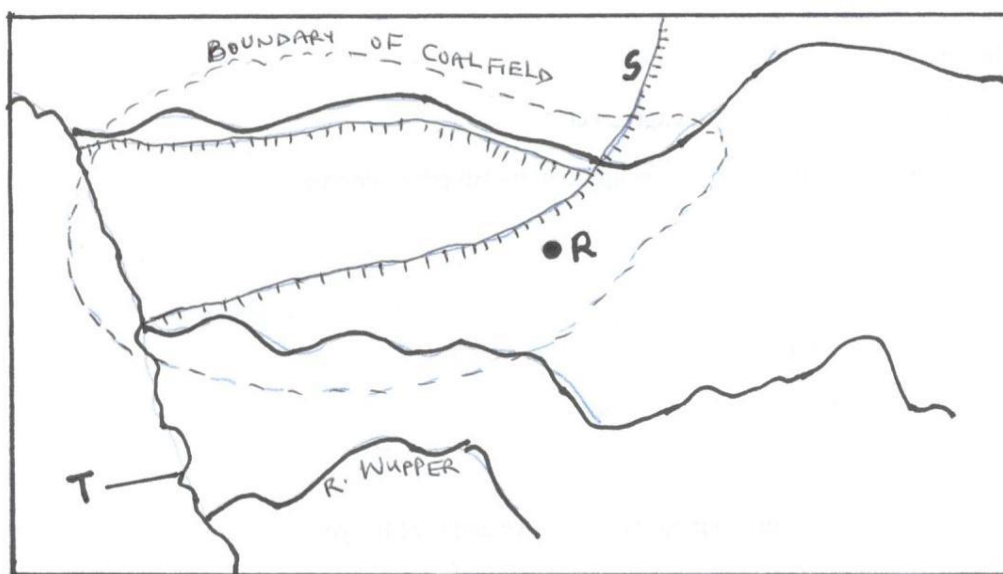
ii) Explain four ways in which the St. Lawrence Sea way has benefited the economies of Canada and the USA (8mk)

c) State three causes of the decline in use of letters as a mean of communication in Kenya.

(3mk)

d) Explain four efforts made by the Government of Kenya to solve the problems facing communication in the country. (8mk)

- 9 a i) Name two places in Kenya where wind energy is being harnessed. (2mk)
- ii) Give **four** reasons why Kenya has not been able to fully exploit her geothermal power potential. (4mk)
- b) Explain four benefits that would result from rural electrification in Kenya. (8mk)
- c) Apart from petroleum oil, name three other sources of non -renewable energy. (3mk)
- d) i) What is energy crisis. (2mk)
- ii) Explain three effects that the increase in petroleum oil prices has had on the economy of Kenya. (6mk)
10. ai) Name two towns in Kenya with motor vehicle assembly industries. (2mks)
- ii) State **four** ways in which Kenya has benefited from the motor vehicle assembly industries. (4mk)
- b) The sketch map below shows the Ruhr Industrial region of Germany.



- i) Name the town marked **R**. (1mk)
- ii) Name the canal marked **S**. (1mk)
- iii) Name the river marked **T**. (1mk)
- c) Explain **four** factors that have led to the growth of the iron and steel industries in the Ruhr region of Germany. (8mk)
- d) Your class has decided to undertake a field study in a factory near your school.
- i) Give three reasons why it is important to seek permission from the school. (3mk)
- ii) State two reasons why administering questionnaires may not be an appropriate method to collect data. (2mk)
- iii) State three advantages of using statistical tables to record data. (3mk)

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 3

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

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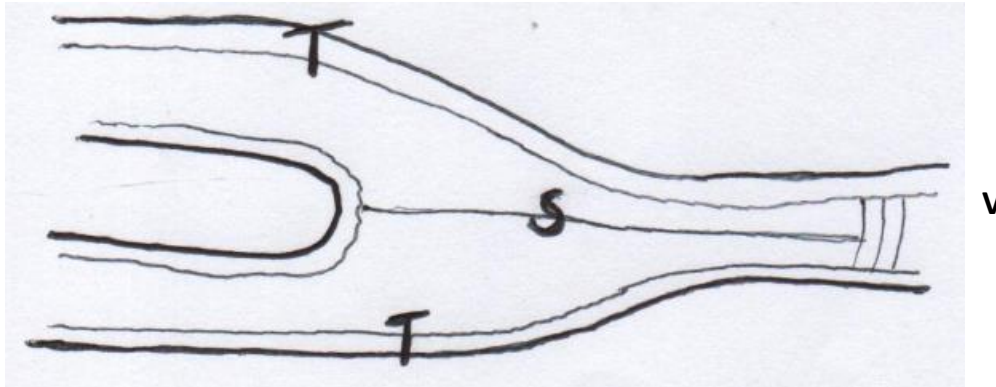
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
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SECTION A (25MKS)

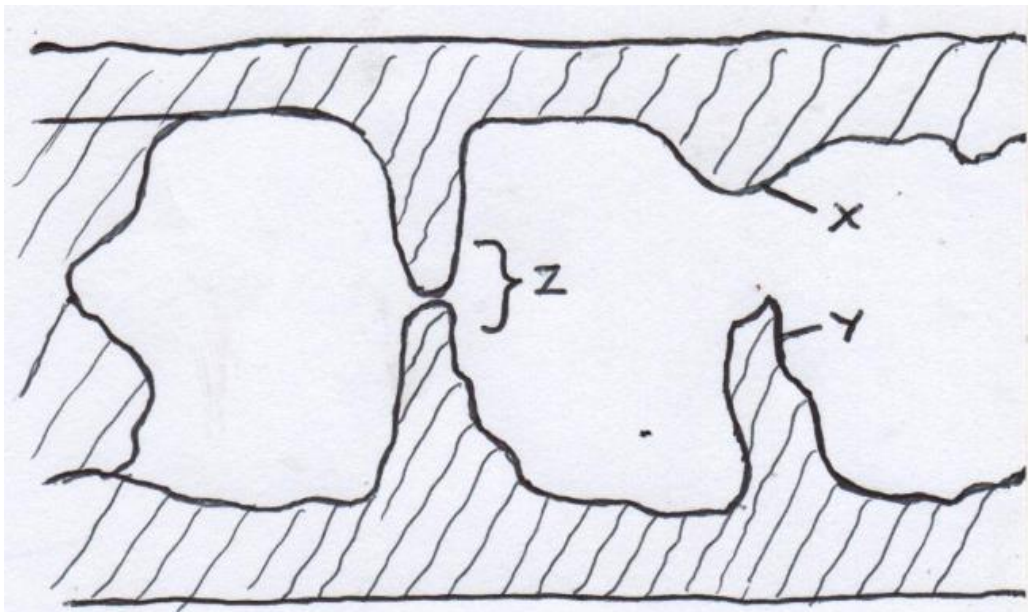
Answer all the questions in this section

1. a) Define the term solar system (2mks)
b) Give any **three** theories explaining the origin of the solar system (3mks)
2. i) What is faulting (2mks)
ii) Mention any **three** types of faults (3mks)
3. i) Define a glacier (2mks)
ii) The diagram below shows types of moraines in a valley glacier (3mks)



Name parts V, T & S

4. State **five** conditions necessary for the formation of a beach (5mks)
5. a) Study the diagram and answer the following questions. (3mks)



Name parts X, Y &Z

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

SECTION B

Answer question 6 and any other two questions from this section

6. Study the map of Taita Hills 1:50,000 (Sheet 198/4) provided and answer the following questions.
- a) i) Give the four figure grid reference of L.R 3880/s (2mks)
ii) What is the general direction of R. Ruhiaa tributary of R. vol (Goshi) (2mks)
 - b) i) Give the adjoining sheet of Taita Hills on the North Coast part of the map. (2mks)
ii) Measure the length of the Bound surface Road A23 from Mwatake to LC (Level Crossing) (2mks)
iii) Calculate the area of the forest covering Shellemba and Majengo Zones (3mks)
iv) Citing evidence from the map, identify three economic activities carried in the area (6mks)
 - c) Citing evidence from the map, explain any four factors that may have influenced Agricultural activities in the Area (8mks)
7. a) Define the term Vulcanicity? (2mks)
b) Distinguish Extrusive and intrusive vulcanicity (4mks)
c) Give any three resultant features due to intrusive vulcanicity (3mks)
d) Describe the continental drift theory (3mks)
e) i) State two artificial causes of earth movements (2mks)
ii) Explain any three significance of vulcanicity to human activities. (8mks)
8. a) What is climate? (2mks)
b) Explain the factors influencing climate under the following sub-headings:
i. Latitude (5mks)
ii. Altitude (4mks)
iii. Ocean currents (4mks)
c) i) Distinguish Aridity and desertification. (2mks)
ii) State any four causes of aridity and desertification together with their possible solutions (8mks)
9. a) Name two ways of water movement in Oceans (2mks)
b) List any four types of tides (4mks)
c) State four factors that influence wave transportation (4mks)
d) Yururugirl's school, form 4 Geography class carried out a field study at a wave deposition site at the coast of Mombasa.
i. List any four wave depositional features they might have observed. (4mks)

- ii. Explain any two factors influencing the type of coast they might have studied. (4mks)
- iii. Give any three benefits they might have enjoyed due to conducting reconnaissance to their place of study (3mks)
- iv. List two ways the learners might have used in collecting the data (2mks)
- v. Mention any two types of coral reef they might have studied during the period of their study (2mks)

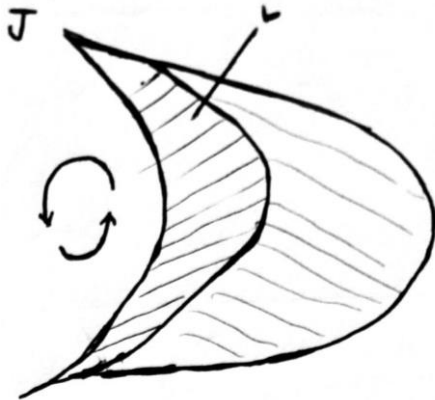
10.a) Name three major deserts found in:

- i. Africa (3mks)
- ii. Give two processes in which wind erodes the earth's surface (2mks)
- iii. Explain three ways in which wind transport its load (6mks)

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

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

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



Use it to answer questions that follow

- i. Name the above feature (1mk)
- ii. Name the parts marked; (2mks)
J & L

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 3

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

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SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
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	7	25	
	8	25	

SECTION A (25MKS)

Answer ALL the questions from this section

1. i) Mention **two** irrigation schemes established in Kisumu County with the aim of land rehabilitation (2mks)
ii) What is a polder? (1mk)
iii) Name **three** crops grown in the polder (3mks)
2. i) Distinguish Horticulture and market gardening (2mks)
ii) State **three** problem facing horticultural farming in Kenya (3mks)
3. i) Define the term mining? (2mks)
ii) State any **three** negative effects of mining to the environment (3mks)
4. i) Give **two** indigenous soft wood trees grown in Kenya (2mks)
ii) State **three** problems facing forestry in Canada (3mks)
5. a) Name **three** types of fish (2mks)
b) State **three** problems facing fishing in JAPAN (2mks)

SECTION B

Answer question 6 and any other two questions

6. a) Study the information provided. Later answer the questions that follows
Crop production in Kenya between 1998 and 2002 in million bags.
Use a scale of 1cm represents 5 million bags

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

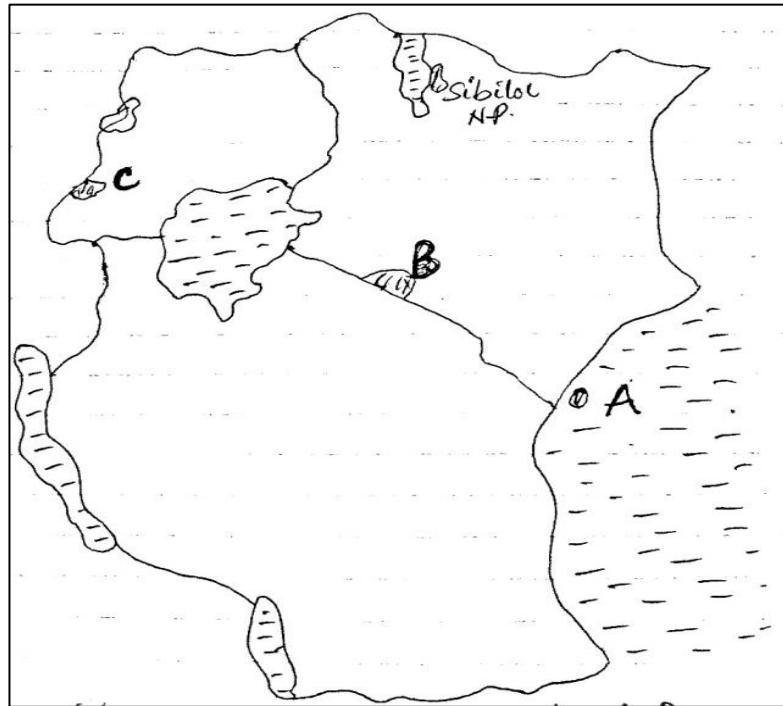
- CT refers to the cumulative totals
 - i. Using a suitable scale, draw a cumulative bar graph based on data provided above.
(Graph paper provided) (10 mks)
 - ii. Calculate the maize percentage decline in production between years 2001 and 2002.
(2 mks)
 - iii. What general conclusion can be made based on crop production between years 2000 and 2001
(2 mks)
- b) i) Apart from tsetse fly control mention five other methods used to reclaim land in Kenya
(5mks)

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

7. a) i) Define wildlife (2mks)

ii) Distinguish between agame sanctuary and a game ranch (4mks)

iii) Study the following map of East Africa and answer the questions below.



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

b) i) Explain four factors showing the future of tourism Industry in Kenya (8mks)

ii) Explain how the following factors influence wildlife

(i) Vegetation (4mks)

(ii) Altitude (4mks)

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

ii) Name the two major fishing ground in the Pacific Ocean (2mks)

iii) Name four fresh water fisheries in Kenya (4mks)

b) i) Explain four reasons why Fresh water fishing is more popular than marine fishing in East Africa. (8mks)

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

iii) Distinguish phytoplankton and zooplankton (2mks)

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

ii) Identify two counties in Kenya where coffee is grown in large scale (2mks)

b) i) State four factors favoring growing of coffee in Kenya (4mks)

ii) Describe the stages of coffee processing once it's delivered to the factory (9mks)

c) i) Explain two benefits of coffee farming in Kenya (4mks)

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

- 10.a) i)** Give three by-products of crude oil (3mks)
- ii)** List four ways through which occurrence of minerals is influenced. (4mks)
- b)** Explain four contribution of mining Industry to economy (8mks)
- c)** Name the minerals found in the following areas in East Africa (4mks)
- i.** Kariandusi
 - ii.** Kerio Valley
 - iii.** Kwale County
 - iv.** Lake Magadi
- d)i)** State four factors influencing mineral exploitation (4mks)
- ii)** Give two uses of Gold (2mks)

NAME.....ADM NO.....
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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 4

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

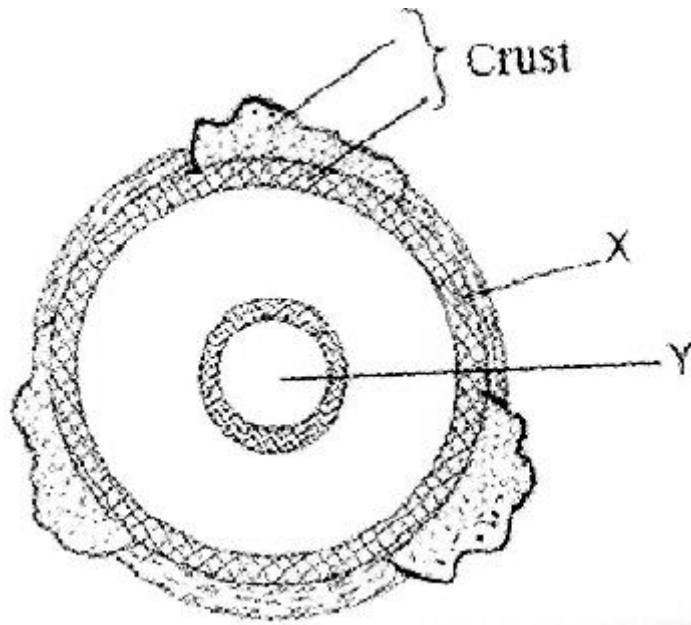
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A:

Answer all questions in this section

1).(a) The diagram below shows the internal structure of the earth.



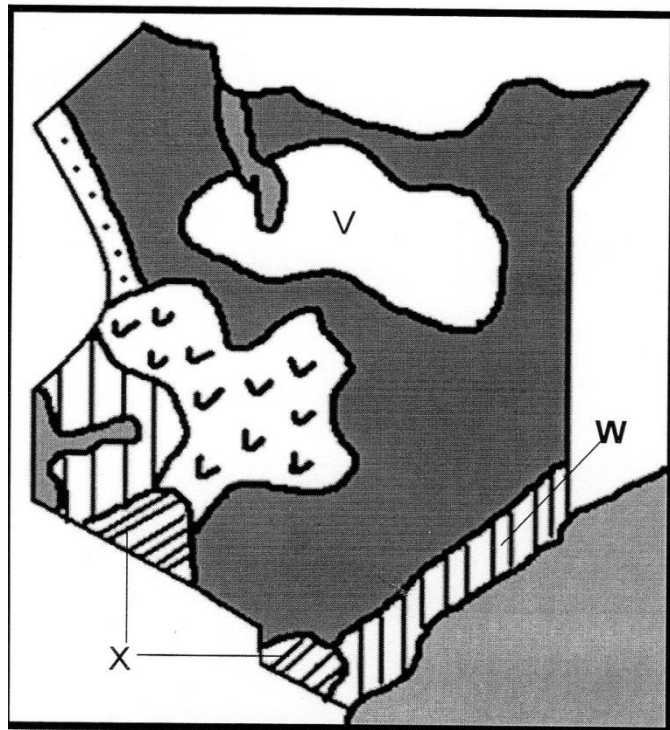
(i) Name the parts marked X and Y.

(2marks)

(ii) State **three** characteristics of the upper mantle.

(3marks)

2).The map below shows the climatic regions of Kenya



(i) Name the climatic region marked V and W.

(2marks)

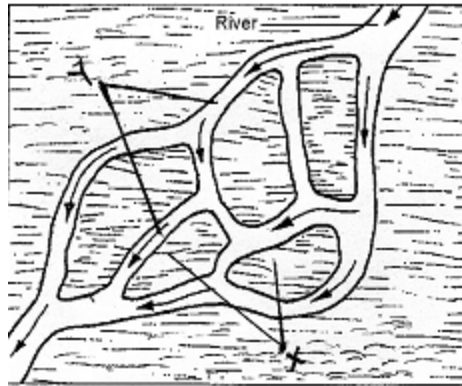
(ii) State **three** characteristics of the climatic region marked X.

(3marks)

3). (a) Differentiate between intensity and magnitude earthquakes.

(3marks)

- (b) Name **three** earthquake zones in the world. (3marks)
4. (a) Distinguish between Oceans and Seas. (3marks)
- (b) State **three** factors causing the development of ocean currents. (3marks)
5. (a) The diagram below shows a river braid. Identify the parts marked X, Y,. (2marks)



- (b) State **three** conditions necessary for the formation of a delta. (3marks)

SECTION B:

Answer question 6 (six) and any other two questions

- 6) Study the map of **Migwani 1:50,000 (sheet 151/1)** provided and answer the following questions.
- (a) (i) Convert the ratio scale of the map into a statement scale. (2marks)
- (ii) What is the name and the sheet number of the map to the south of Migwani. (2marks)
- (iii) Give the longitudinal extent of the map. (2marks)
- (iv) Calculate the bearing of the trigonometric station at grid square 9264 from Usiani School. (2marks)
- (b) (i) Using a vertical scale of 1cm to represent 100metres, draw a cross section along the line J-K. (4marks)
- (ii) On it mark and label the following:
- Footpath (1mark)
 - Road (1mark)
 - Water pipeline (1mark)
 - Steep slope (1mark)
- (c) Describe the relief of the area covered by the map. (5marks)
- (d) Citing evidence from the map, give **two** economic activities carried out in the area covered by the map. (4marks)
7. (a) (i) Identify **two** features formed by vertical movements. (2marks)
- (ii) Explain how the following factors cause earth movements.
- Gravitative pressure. (2marks)

- Isostatic adjustment.

(4marks)

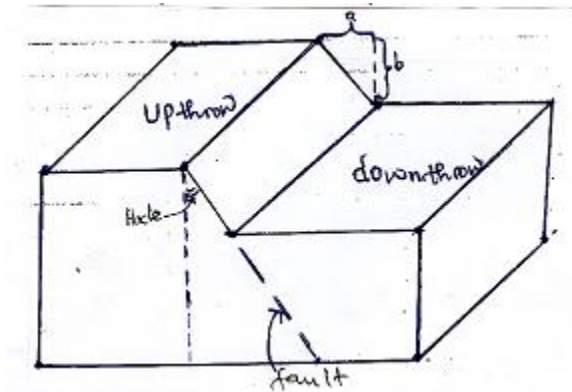
(b) Describe the plate tectonics theory.

(5marks)

(c) (i) Define the term Faulting.

(2marks)

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



Name the parts marked A , B

(2marks)

A-

B-

(iii) Apart from the above type of fault, name **two** other types of faults.

(2marks)

(d) Explain **three** ways in which faulting influences drainage.

(6marks)

8. (a) What is secondary vegetation?

(2marks)

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

- Soil fertility
- Sunlight
- Aspect

(2marks)

(2marks)

(2marks)

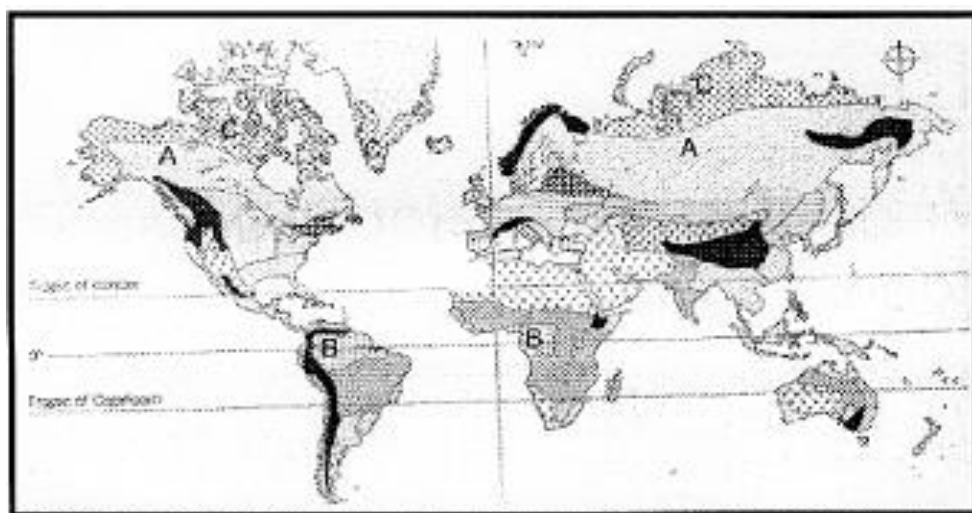
(c) i) State **four** uses of savanna grassland vegetation in Kenya

(4marks)

ii) Describe three ways in which desert vegetation has adapted to the climatic conditions.

(6marks)

(d) The world map below shows world major vegetation zones. Use it to answer question (i).



(i) Name the vegetation zones marked **A**, **B**, and **C** (3marks)

(ii) State the characteristics of Mediterranean vegetation (4marks)

9. (a)(i) What is the difference between weathering and mass wasting. (2marks)

(ii) Give three factors that influence the rate of weathering. (3marks)

(b) (i) Apart from block disintegration and granular disintegration, name three other processes of physical weathering. (3marks)

(ii) Describe the following processes of weathering:

- Granular disintegration. (3marks)

- Hydrolysis. (2marks)

(c) You are planning to carry out a field study on types of mass wasting.

(i) Identify three methods you would use to collect data. (3marks)

(ii) Give three types of rapid mass wasting that you are likely to observe during the field study. (3marks)

(iii) State two follow-up activities you are likely to do. (2marks)

(d) Explain the effects of mass wasting on the following:

- Tourism. (2marks)

- Soil fertility. (2marks)

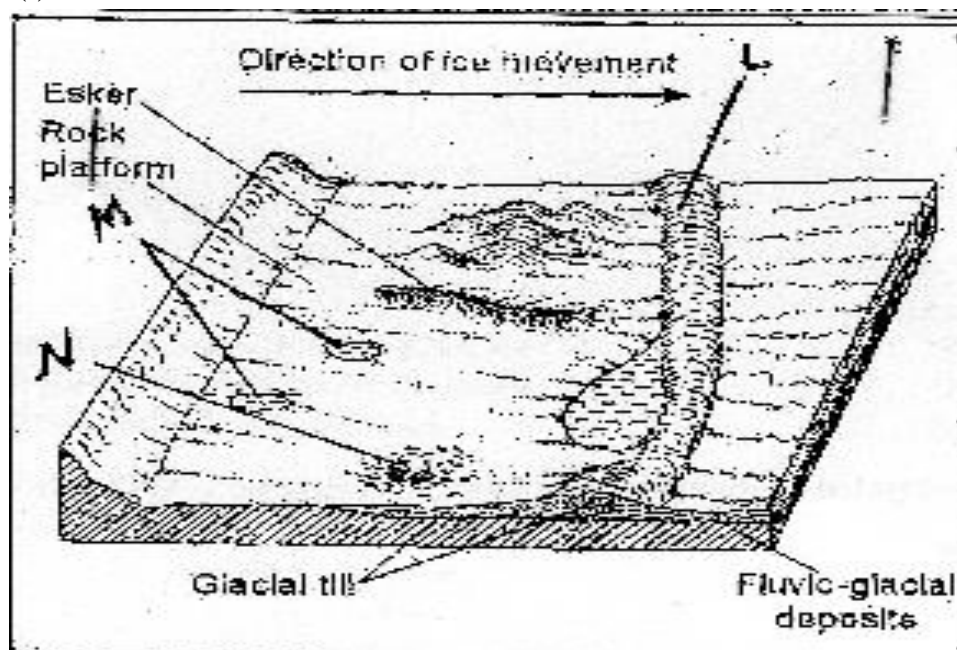
10. (a) What is glaciation? (2marks)

(b) Describe the following processes of glacial erosion:

- Plucking. (4marks)

- Abrasion. (3marks)

(c) The diagram below shows features in glaciated lowland areas. Use it to answer question (i).



- (i) Identify the features marked **L**, **M**, and **N**. (3marks)
- (ii) State **three** characteristics of drumlins. (3marks)
- (iii) Describe how eskers are formed. (4marks)
- (c) Explain **three** significance of erosional features found in glaciated upland areas. (6marks)

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

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 4

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

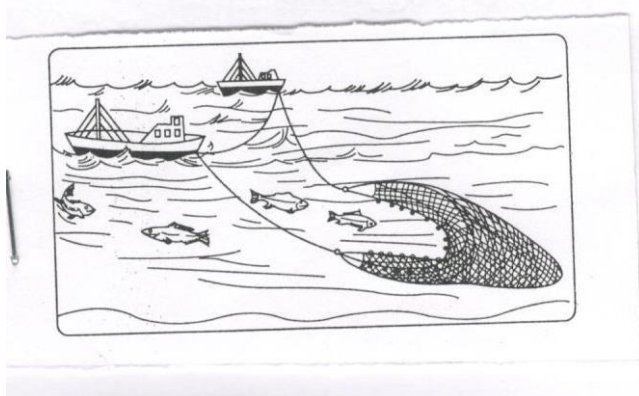
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A

Answer all the Questions in this section

- 1a) State **two** factors that determine the mode of occurrence of minerals. (2mks)
b) Give **three** ways in which mining causes land derelictions. (3mks)
2a) What is fish farming? (1mk)
b) The photograph provided shows a type of fishing method.



- Identify the method and describe how it is used. (4mks)
3a) Define domestic tourism. (2mks)
b) State **three** ways in which eco-tourism is being promoted in East Africa. (3mks)
4a) Name **two** canals found along the Great lakes and Lawrence Seaway (2mks)
b) Give **three** benefits of the St Lawrence Seaway to the economy of Canada and U.S.A (3mks)
5a) Define the term Trade. (2mks)
b) State measures that can be taken to reduce unfavorable balance of trade. (3mks)

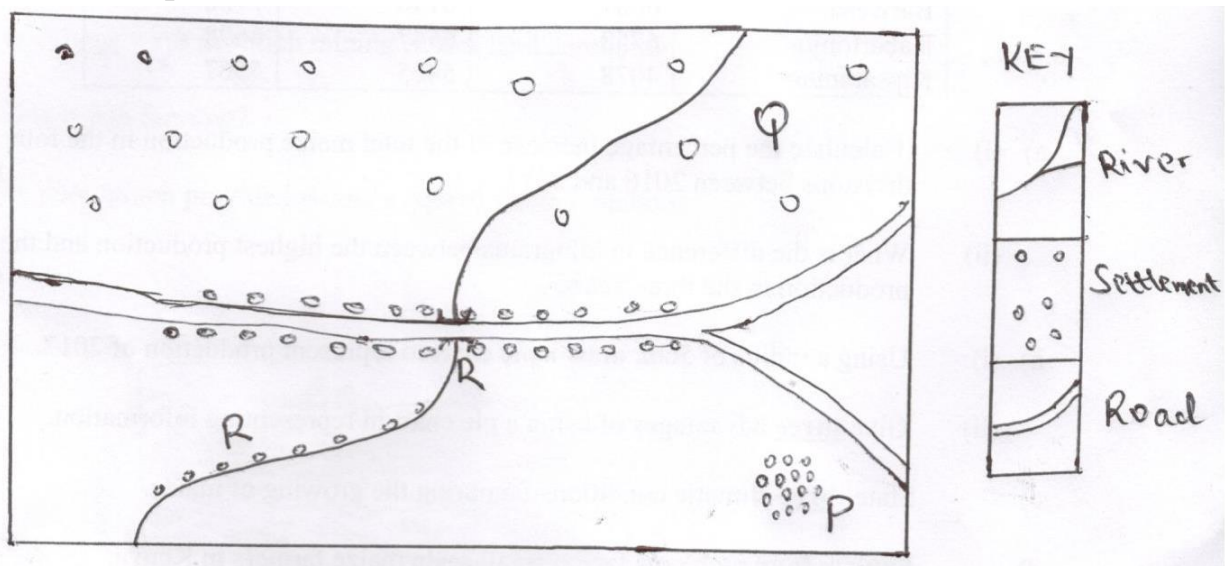
SECTION B

6. The table below shows the production of maize in tonnes between 2015 and 2017 in four divisions in Baringo county. Use it to answer the questions below.

Division	2015	2016	2017
Bartabwa	3005	3500	4000
Barwesa	6087	6198	7786
Kabartonjo	6753	6547	6698
Kipsaraman	4078	5465	5567

- a) (i) Calculate the percentage increase of the total maize production in the four divisions between 2016 and 2017 (3mks)
- (ii) What is the difference in kilograms between the highest production and the lowest production in the three years. (2mks)
- b) (i) Using a radius of 5cm, draw a pie chart to represent production of 2017. (6mks)
- (ii) Give three advantages of using a pie chart in representing information. (3mks)
- c) State three climatic conditions favouring the growing of maize. (3mks)
- d) Explain four problems facing small scale maize farmers in Kenya. (8mks)
7. a) (i) What is reafforestation? (2mks)
- (ii) Give five reasons why afforestation is being encouraged in Kenya. (5mks)
- b) (i) List three factors that influence the distribution and types of natural forests in Kenya (3mks)
- (ii) State three differences between natural forests and planted forests. (3mks)
- (iii) Give two economic uses of Mangroove forests. (2mks)
- c) (i) Explain two problems that affect forestry in Canada. (4mks)
- (ii) Give measures that the government of Kenya is taking to manage forests in the Country. (6mks)
- 8a) Define the following terms
- (i) Urban sprawl (2mks)
- (ii) Conurbation (2mks)

Use the sketch map below to answer Questions



- b) (i) Name the settlement pattern marked P, Q and R (3mks)
- (ii) Explain four factors that favour the development of the settlement pattern marked R (8mks)
- c) State factors which led to the growth of Eldoret town as an agricultural center. (4mks)

d) State the differences in functions between the cities of New York and Nairobi.

(6mks)

9.a)(i) Define cottage industry.

(2mks)

(ii) State five ways in which Kenya Government assists Jua Kali industries.

(5mks)

b) Form Four Geography students carried out a field study at Webuye pan paper mills.

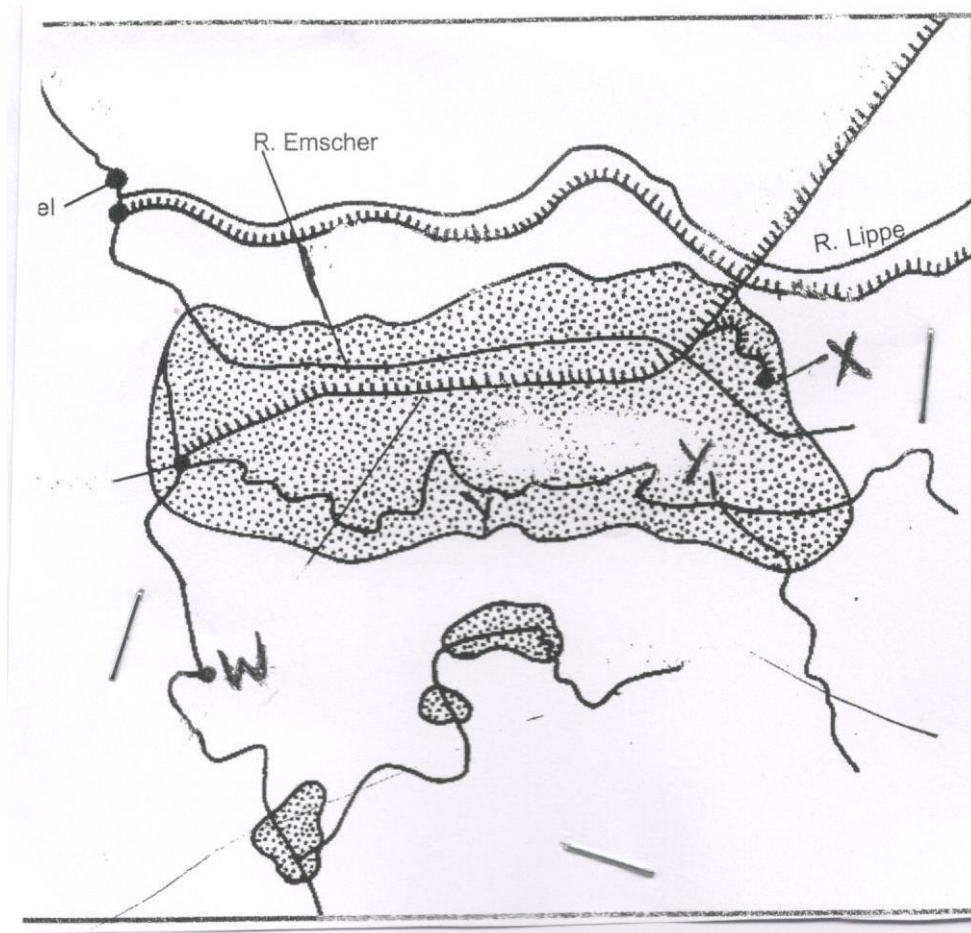
(i) Give three importance of preparing working schedule.

(3mks)

(ii) State four reasons the why the industry was located near River Nzoia.

(4mks)

c) The map below shows the Ruhr Industrial region. Use it to answer questions below



(i) Name the canal marked X

(1mk)

(ii) Name the River marked Y

(1mk)

(iii) Name the town marked W

(1mk)

(iv) Name two other industries found in the region apart from Iron and Steel. (2mks)

d) Explain how the following factors led to the growth of Iron and steel industry in the Ruhr Region

- Raw materials

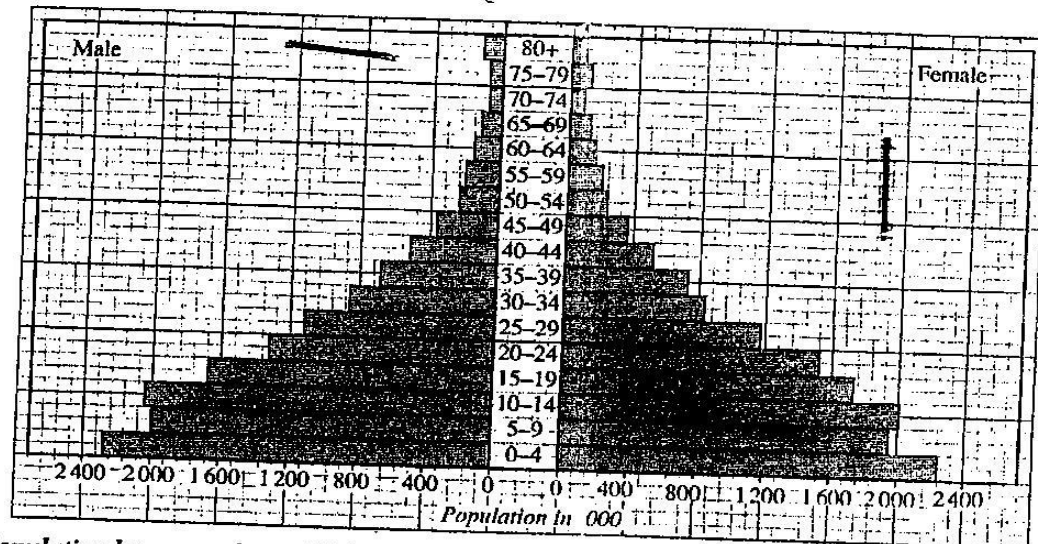
(2mks)

- Energy (2mks)
- Capital availability (2mks)

10.a) Define population growth. (2mks)

b) State three causes of rural-rural migration in Kenya. (3mks)

c) The diagram below represents population structure of Kenya.



Population by age and sex, 1999 (absolute values)

Describe the characteristic of the population as represented by the pyramid. (4mks)

- d) (i) Apart from natural calamities, give two other causes of mortality in Kenya. (2mks)
- (ii) Give three primary sources of population data. (3mks)
- (iii) Identify three ways in which cultural belief and traditions influence population growth. (3mks)
- e) Explain four consequences of over population. (8mks)

NAME.....ADM NO.....
 SCHOOL.....CLASS.....
 DATE.....

TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 5

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

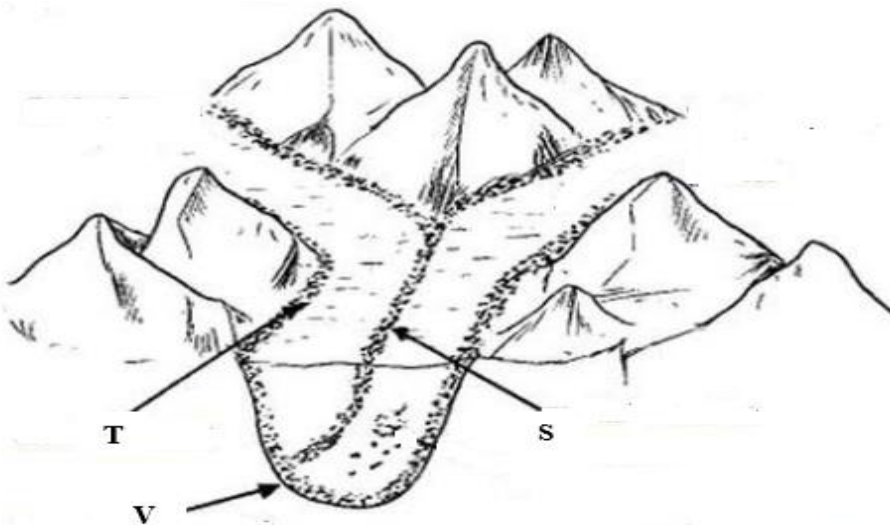
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A (25 MARKS)

Attempt all questions in this section

1. (a) Name the temperate grasslands found in the following countries.
(i) Canada (1 mark)
(ii) Russia (1 mark)
(b) Explain **three** ways in which desert vegetation adapts to environmental conditions. (3 marks)
2. (a) What is micro-climate? (1 mark)
(b) Discuss four consequences of climate change. (4 marks)
3. (a) Describe plucking as a process in glacial erosion. (3 marks)
(b) The diagram below shows types of moraines in a valley glacier.



- (i) Name the type of moraine marked S, T and V. (3 marks)
4. (a) Differentiate between magma and lava. (2 marks)
(b) Name **two** volcanic features found in the rift valley of Kenya. (2 marks)
5. (a) What is a karst scenery? (1 mark)
(b) Describe how a stalactite is formed in an underground feature in limestone areas. (4 marks)

SECTION B: Answer question six and another two

6. Use the map of Taita hills (sheet 189/4) provided and answer the questions below.
 - (a) Measure the length of dry weather road, D535, from the junction at grid 4028 to the east of the maps. (2 marks)
 - (b) What is the bearing of the pump house at grid 2918 from mwaturaje in grid 3215? (2 marks)
 - (c) Calculate the area of the region below the all-weather road; bound surface A23 in the South East of map. (2 marks)
 - (d) What is the magnetic declination of the map by the time the map was published? (2 marks)

- (e) Discuss the drainage of the area covered by map. (5 marks)
- (f) Citing evidence from the map, state three social services offered in the area covered by the map. (3 marks)
- (g) (i) Reduce the square by 2 within northings 26 and 31 and between eastings 37 and 42. (1 mark)
- (ii) In it, indicate:-
- Ronge forest (1 mark)
 - road D535 (1 mark)
 - water reservoir (1 mark)
 - out crop rock. (1 mark)
- (iii) What is the new scale after reduction? (2 marks)
- (h) Highlight two types of vegetation in the area covered by the map. (2 marks)

7. (a) Define the following terms:-

- (i) Aridity (1 mark)
 - (ii) Desert (1 mark)
- (b) (i) Name three descriptions of deserts based on the surface. (3 marks)
- (ii) Give an example of a hot desert in Africa. (1 mark)
- (c) Name and describe the three types of wind erosions in deserts. (6 marks)
- (d) Explain three factors influencing wind deposition in deserts. (6 marks)
- (e) (i) Name three features resulting due to action of water in desert areas. (4 marks)
- (ii) What are the four positive significance of desert features to human activities? (4 marks)

8. (a) (i) Define the term 'solar system'. (2 marks)

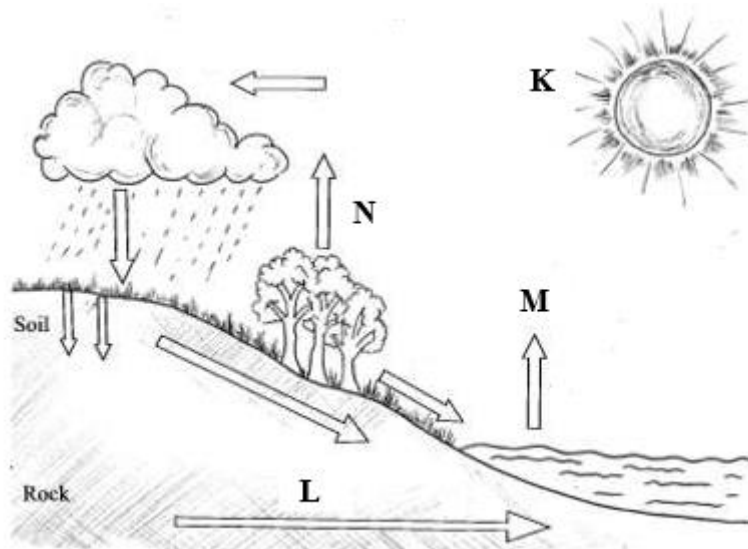
- (ii) Name four components of the solar system. (4 marks)
- (b) (i) Which force is responsible for the flattening of the poles of the earth? (1 mark)
- (ii) Give four proofs that the earth is spherical. (4 marks)
- (c) (i) State four effects of revolution of the earth. (4 marks)
- (ii) Supposing the local time at Greenwich meridian is noon (1200hrs). What is the local time at a place A, 300E? (3 marks)
- (iii) What is 'equinox'? (1 mark)
- (d) (i) Draw a well labeled diagram of the internal structure of the earth. (5 marks)
- (ii) What is internal date line? (1 mark)

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

- (ii) Name three features resulting from faulting. (3 marks)
- (b) With the aid of a well labelled diagrams, describe the formation of the rift valley by tensional forces. (7 marks)

- (c) (i) Give three ways in which faulting influences drainage. (3 marks)
- (ii) Apart from tensional forces explain two other processes that may cause faulting. (2 marks)
- (iii) Name three types of faults. (3 marks)
- (d) Discuss how features resulting from faulting is of significance to human activities. (5 marks)

10. (a) (i) Differentiate between a watershed and a catchment area? (2 marks)
- (ii) The diagram below shows a hydrological cycle.



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

K-

L-

M-

N-

- (b) (i) What is a lake? (2 marks)
- (ii) Give three reasons why some lakes in Kenya are saline. (3 marks)
- (c) (i) Apart from L. Magadi, name two other lakes within the rift valley in Kenya that have a high level of salinity. (2 marks)
- (ii) Highlight four man-made lakes in Kenya. (4 marks)
- (d) (i) Describe the formation of a corrie lake. (5 marks)
- (ii) Give three negative effects of lakes. (3 marks)

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

TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 5

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A: Answer all questions

1. (a) Differentiate between horticulture and market gardening. (2 marks)
(b) State **three** characteristics of horticulture farming. (3 marks)
2. (a) Explain **two** problems caused by floods. (4 marks)
(b) Name **one** major environmental hazard. (1 mark)
3. (a) What is a polder? (2 marks)
(b) Give **three** factors that limits Perkerra irrigation scheme. (3 marks)
4. (a) Name **two** indigenous softwood trees in Kenya. (2 marks)
(b) Give **three** protective roles of forests in a country. (3 marks)
5. (a) Give an example of a mineral found in each of the following occurrence.
(i) Veins and lodes. (1 mark)
(ii) Alluvial/placer deposits. (1 mark)
(b) Highlight **three** uses of soda ash. (3 marks)

SECTION B:

Answer question 6 and any other two questions.

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

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

- (a) Using a scale of 1cm represents 20 million passengers, draw a comparative bar graph to represent the information above. (9 marks)
- (b) (i) Calculate the percentage increase in number of passengers from India. (2 marks)
(ii) Give the **three** advantages of using comparative bar graphs to represent statistical data. (3 marks)
- (c) (i) Give the **four** important canals of the St. Lawrence sea way. (4 marks)
(ii) Give **three** ways in which the great Lake St. Lawrence Sea way has contributed to

the economy of Canada and USA.

(3 marks)

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

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

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

(c) Name a town in Kenya where each of the following industries are located.

(i) Oil refinery. (1 mark)

(ii) Paper manufacturing (1 mark)

(iii) Motor vehicle assembly (1 mark)

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

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

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

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

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

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

(ii) Give four tourist attraction found at the coast of Kenya. (4 marks)

(b) Use the map of the East Africa below to answer the questions that follow.



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

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

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

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

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

- (ii) State two problems facing hydro-electric power projects in Kenya. (2 marks)
- (b) (i) Apart from oil, name two other non-renewable sources of energy. (2 marks)
- (ii) What is energy crisis? (2 marks)
- (iii) Explain four ways in which Kenya has benefited from the development of geothermal power. (8 marks)
- (iv) What are the consequences which will result due to oil discovery in Kenya? (3 marks)
- (c) (i) Name three main dams in Africa. (3 marks)
- (ii) State two effects of power rationing in Kenya. (2 marks)
- 10. (a) State four characteristics of shifting cultivation. (4 marks)
- (b) (i) State two counties where tea is grown. (2 marks)
- (ii) Explain four ways in which KTDA (Kenya Tea Development Agency) promotes tea cultivation. (8 marks)
- (c) (i) State five counties in Kenya where beef ranching is done. (5 marks)
- (ii) Outline two major problems facing beef farming in Kenya. (2 marks)
- (iii) Give four economic and human factors that favour beef production in Argentina. (4 marks)

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

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

DATE.....

TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 6

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A

Answer ALL the questions from this section

1. a) What is the solar system? 2mks
 b) Briefly explain the forces that influence the shape of the earth. 3mks

2. a) Distinguish between absolute humidity and relative humidity. 2mks
 b) State two factors that influence humidity. 2mks
 c) Give two reasons why moisture in the atmosphere is significant. 2mks

3. a) Differentiate between weathering and mass wasting 2mks
 b) State two types of mechanical weathering. 2mks

4. a) Differentiate between intensity and magnitude of an earthquake. 2mks
 b) State three human causes of earthquakes. 3mks

5. a) Name two temperate grasslands. 2mks
 b) Give three uses of Savanna grasslands 3mks

SECTION B

Answer question 6 and ANY other two questions

6. Study the map of OYUGIS 1:50,000 (sheet 130/1) provided and answer the following questions.
 - a) i) What is the bearing and direction of the church at Nyamuga from the Air photo principal point in grid square 7017. 2mks
 ii) Measure the distance of the all weather bound surface road from the joint in grid square 8925 to the junction in the grid square 8320. 2mks
 - b) Calculate the area of the East and the all weather bound surface road in the North Eastern part of the map extract (Answer in km²) 2mks
 - c) Name the two districts in the area covered by the map. 2mks
 - d) Identify three natural vegetation in the area covered by the map. 3mks
 - e) State the Longitudinal extent of the area covered by the map. 1mk
 - f) Describe the relief of the area covered by the map. 5mks
 - g) i) Draw a cross section from grid reference 740300 to 780330 5mks
 ii) On the cross section mark and label the following 3mks
 - a) Hill
 - b) River
 - c) Road D 215

7. a) i) What is an ice sheet? 2mks
 ii) Describe how a glacier is formed. 4mks

- b) Explain three processes through which ice moves. **6mks**
- c) With the aid of well labelled diagrams, describe the formation of a cirque. **7mks**
- d) You plan to conduct a field study on glaciations at Mt. Kenya:
- i) List down three types of moraine you are likely to identify. **3mks**
 - ii) State three problems you are likely to encounter. **3mks**
8. a) i) Define a caldera. **2mks**
- ii) Describe how a caldera is formed by violent explosion. **5mks**
- b) i) Name three volcanic feature found in the rift valley of Kenya. **3mks**
- c) i) Explain four positive effects of Vulcanicity in Kenya. **8mks**
- d) You intend to carry out a field study of volcanic landscape.
- i) State two reasons why it is necessary to conduct a reconnaissance of the area of study. **2mks**
 - ii) State three objectives you came up with. **(3mks)**
 - iii) State two follow up activities of their study. **2mks**
9. a) i) Define a water shed. **2mks**
- ii) Describe two processes of river transport. **4mks**
- b) i) Give three features resulting from river rejuvenation. **3mks**
- ii) State three characteristics of flood plains. **3mks**
- iii) Explain two causes of river flooding. **4mks**
- c) Using a well labelled diagram, describe the formation of deferred tributaries. **5mks**
- d) State four conditions necessary for the formation of deltas. **4mks**
10. a) i) What is climate? **2mks**
- ii) Explain two effects of climate change on the physical environment. **4mks**
- b) State four characteristics of the hot desert climate. **4mks**
- c) Using a well labelled diagram, explain the formation of anabatic winds. **5mks**
- d) i) Define micro-climate. **2mks**
- ii) Explain four human activities that can lead to aridity and desertification. **8mks**

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

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

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 6

Kenya Certificate of Secondary Exams

TIME: (1¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A

Answer all the question in the section

1. a) State two ways in which minerals occur. 2mks
b) Describe panning as a method of mining. 3mks
2. a) Apart from water, give two other renewable sources of energy which are utilised in Kenya. 2mks
b) State three advantages of using hydro-electric power over other forms of energy. 3mks
3. a) What is air pollution? 2mks
b) State three effects of air pollution in urban areas. 3mks
4. a) Give three reasons why road transport is commonly used in Kenya than railway transport. 2mks
b) State two benefits of containerization in transport industry. 3mks
5. a) Define the term animal sanctuary. 2mks
b) Name any three marine parks in Kenya. 3mks

SECTION B

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

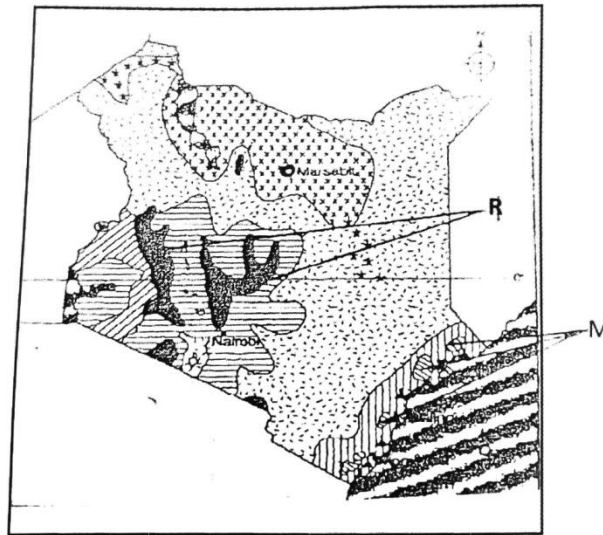
6. a) Study the table given below and answer the questions from this section.
TEA AND WHEAT PRODUCTION IN MILLION TONNES IN KENYA BETWEEN 1999 – 2003

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

- i) Construct a comparative bar graph to present the data above. (Use 1cm . 10million tonnes) 6mks
- ii) State two advantages of using comparative bar graphs. 2mks
- iii) Comment on the trend of wheat production over the period. 2mks

- b) State **four** physical conditions that favour wheat farming in Kenya. **4mks**
- c)i)Describe how oil palm is processed in Nigeria. **6mks**
- ii)State five uses of palm oil. **5mks**

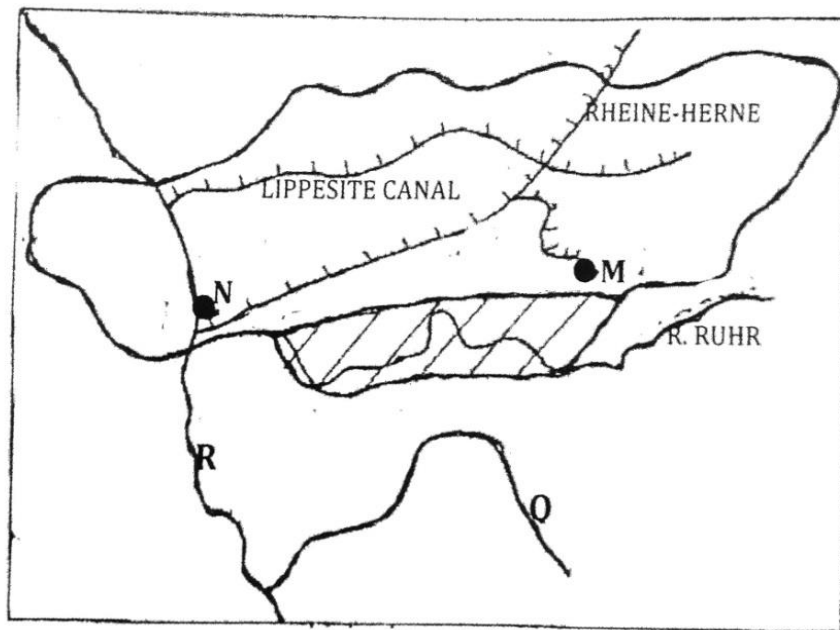
7. a) i) Differentiate between indigenous and exotic forests. **2mks**
- ii)The map below shows Kenya's forest Zones. Study and use it to answer the question that follow.



Identify forest types marked M and R **2mks**

- iii)State three factors that lead to depletion of forests in Kenya. **3mks**
- b) Explain three factors that favour the growth of natural forests on the slopes of Mt. Kenya. **6mks**
- c) Compare forestry in Kenya and Canada under the following headings:
- i) Distribution of forests **2mks**
 - ii) Mode of exploitation **2mks**
 - iii) Transport **2mks**
- d) i) State three factors favouring the development of softwood forests in Canada. **3mks**
- ii) Give three measures used to conserve forests in Kenya. **3mks**
8. a) State three deep sea fishing methods. **3mks**
- b) Identify four problems experienced in marketing of fish in Kenya. **4mks**
- c) Explain five measures taken by Kenyan government to conserve fisheries in Kenya. **10mks**
- d) Explain four physical factors which have made Japan a major fishing nation in the world. **8mks**

9. Use the map of Ruhr Industrial zone below to answer question (a)



- a) i) Name the rivers marked Q and R 2mks
ii) Name the towns marked M and N 2mks
- b) i) Apart from iron and steel identify three other main industries found in the Ruhr region. 3mks
ii) State three factors that favoured the location of iron and steel industry in the Ruhr region. 3mks
- c) i) Describe four characteristics of cottage industries in India. 3mks
ii) Explain three measures taken by the government of Kenya to improve the Jua Kali sector. 6mks
- d) Explain three problems that result from industrialization. 6mks
10. a) i) Define international trade. 2mks
ii) Name three major imports from Europe to Kenya 3mks
- b) State four factors that influence external trade in Kenya. 4mks
- c) Explain four ways through which Kenya will benefit from the renewed East Africa Co-operation. 8mks
- d) Explain four negative effects of international trade. 8mks

NAME.....ADM NO.....
SCHOOL.....CLASS.....
DATE.....

TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 7

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

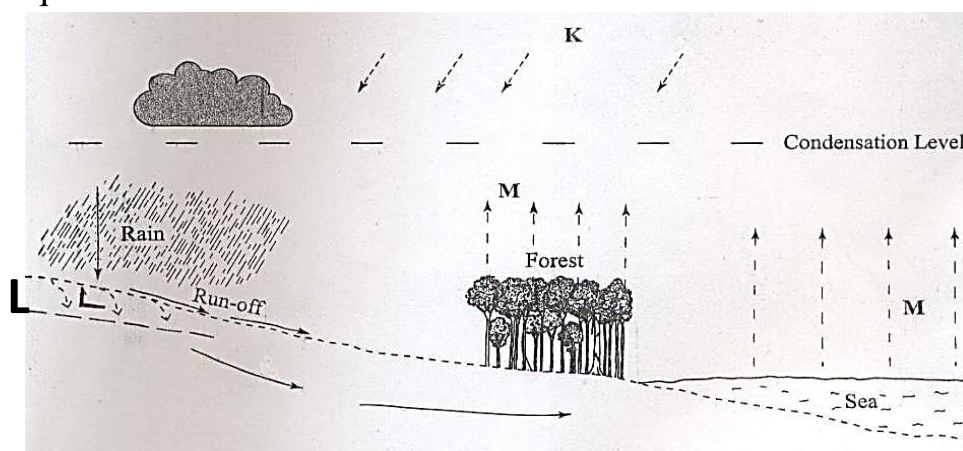
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A: 25 MARKS

Answer ALL questions in this section

1. Describe the formation of planet earth according to the passing star theory. (5 marks)
2. (a) Give **two** examples of sedimentary rocks. (2 marks)
(b) State **three** characteristics of sedimentary rocks. (3 marks)
3. (a) Differentiate between weathering and mass wasting. (2 marks)
(b) State **three** causes of landslides. (3 marks)
4. (a) The diagram below shows the hydrological cycle. Study and use it to answer the question that follows.



- (a) Identify the processes marked **K** and **L**. (2 marks)
 - (b) State **three** characteristics of a flood plain. (3 marks)
5. (a) State **two** reasons why wind erosion is dominant in arid areas. (2 marks)
(b) Describe how a Bajada is formed. (3 marks)

SECTION B

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

6. Study the map of Taita hills, 1:50,000 sheet provided and answer the question that follow.
 - (a) (i)What is the latitudinal and longitudinal extent of Taita Hills map extract? (2 marks)
(ii)Convert the ratio scale of the map into statement. (2 marks)
 - (b) Citing evidence from the map, identify **four** social activities in the area covered by Taita Hills. (4 marks)
 - (c) (i)Draw a rectangle 20cm by 16cm from Easting 32 to 37 Northings 14

to 18.

(2 marks)

(ii) On the rectangle mark and name;

(4 marks)

- Taita sisal estate
- Hills
- Main track/motorable
- River

(iii) Calculate the new scale of the drawn rectangle.

(2 marks)

(d) Citing evidence, explain **three** ways how relief has influenced the distribution of settlement in Taita Hills.

(6 marks)

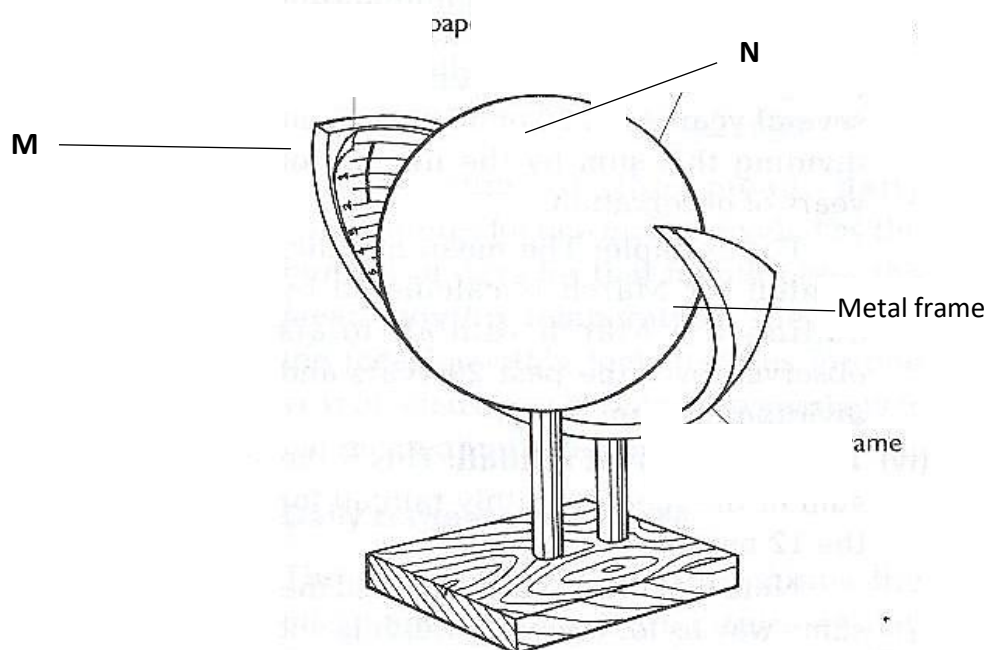
(e) Describe the vegetation in the area covered by the map.

(3 marks)

7. (a) Name two instruments kept in a Stevenson screen.

(2 marks)

(b) The diagram below shows a weather measuring instrument. Use it to answer the questions below.



(i) Name the parts marked **M** and **N**.

(2 marks)

(ii) Describe how the instrument works.

(4 marks)

(c) The table below shows climatic figure for station **Q**. Use it to answer the questions that follow.

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp in °C	30	31	31	29	27	27	28	29	28	28	27	30
Rainfall in mm	257	246	231	234	207	201	218	227	234	240	235	230

- (i) Calculate the annual range of temperature for station Q. (2 marks)
- (ii) Give **four** characteristics of climate for station Q. (4 marks)
- (d) With the aid of a well-labelled diagram, describe the formation of cyclonic rainfall. (6 marks)
- (e) You intend to carry out a field study of a weather station in your school.
- (i) Give **two** methods of recording data that you are likely to use. (2 marks)
- (ii) State **three** reasons why the recording of data at a school weather station may be inaccurate. (3 marks)
8. (a) (i) Distinguish between a fault and a fold. (2 marks)
- (ii) Give **three** factors that influence folding. (3 marks)
- (b) Describe how isostatic adjustment cause earth movement . (5 marks)
- (c) Describe how plate tectonic movements cause fold mountain formation. (5 marks)
- (d) (i) Name **two** features resulting from faulting. (2 marks)
- (ii) Explain how faulting influences drainage of an area. (8 marks)
9. (a) Distinguish between soil profile and soil catena. (2 marks)
- (b) Explain how the following factors influence soil formation:
- (i)The parent rock (4 marks)
- (ii)Relief (2 marks)
- (c) Describe laterization process of leaching. (4 marks)
- (d) State **three** importance of soil structure. (3 marks)
- (e) Give **two** characteristics of Azonal soils. (2 marks)
- (f) Explain **four** causes of physical soil degeneration. (8 marks)
10. (a) (i)Define the term Moraine. (2 marks)
- (ii)State **three** conditions necessary for the formation of ice. (3 marks)
- (b) Describe how ice moves through the following:-
- (i)Basal slip (3 marks)

- (ii) Extrusion flow (3 marks)
- (c) Describe how an arete is formed. (6 marks)
- (d) Explain the four Significance of lowland glaciated features to human activities. (8 marks)

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

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 7

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A:

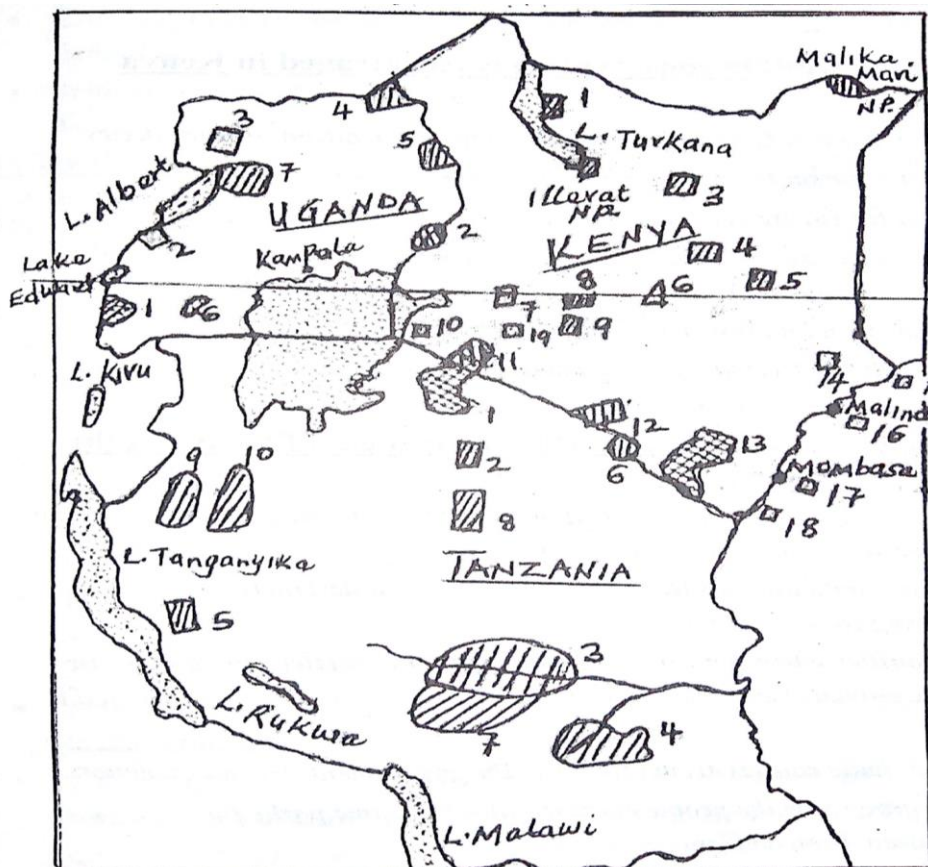
Answer ALL questions in this section

1. a). Define mining. (2marks)
b). State **three** factors influencing the occurrence of minerals. (3marks)
2. a). State **three** advantages of Hydro-electric power in Kenya. (3marks)
b). Give **two** measures of conservation energy. (2marks)
3. (a) Study the map below of East Africa and use it to answer questions.

Name _____

(i). The National Park marked 2. (1mk)

(ii). The Game Reserve marked 4. (1mk)



(iii). The game sanctuary marked 7. (1mk)

(b) State **three** reasons why Switzerland receives more tourists than Kenya. (3marks)

4. Identify **four** factors which have contributed to the growth of Mombasa as an international port. (4marks)
5. Outline the stages of reclamation of land from the sea in the Netherlands through the Zuider Zee project. (5marks)

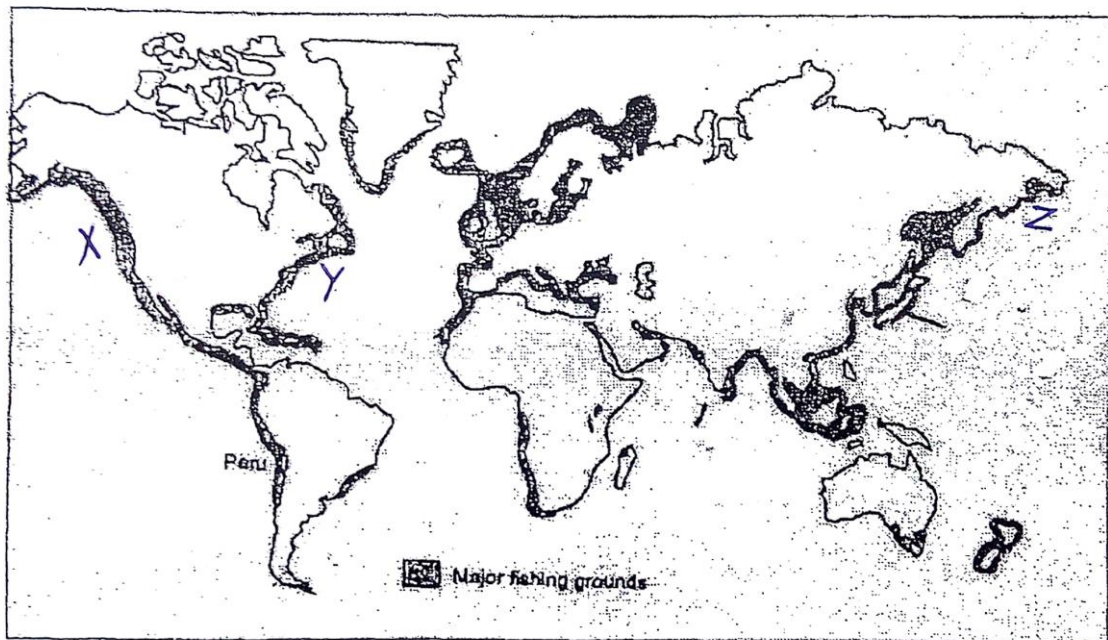
SECTION B

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

6. (a). The table below shows maize production in Kenya per county; between 2017 – 2018 in `000 kgs.

County \ Year	2017	2018
Trans – Nzoia	33,055	34,065
Uasin – Gishu	27,060	30,040
Nakuru	12,022	14,145
Bomet	11,336	10,272
Narok	10,678	12,128
TOTAL	83,352	100,650

- (i). Using a scale of *1cm to represent 10 million kgs*, draw a divided rectangle to represent the data for maize production in 2018. (6marks)
- (ii). Describe the production of maize in the 5 counties in Kenya. (4marks)
- (iii). State three disadvantage of using a divided rectangle to represent the above data. (3marks)
- (b). State three physical conditions that favour maize growing in Kenya. (3marks)
- (c). Give three problems facing maize farmers in Kenya. (3marks)
- (d). Explain three ways in which the government of Kenya can assist maize farmers in Kenya. (6marks)
7. (a) State four physical factors that favored the establishment of Ruhr Industrial region in Germany. (4marks)
- (b). Explain four problems arising from industrialization in Kenya. (8marks)
- (c). State five characteristics of cottage industry in India. (5marks)
- (d). Form four students in your school carried a field study on Thika town.
- (i). Give four factors that led to growth of Thika as an industrial centre. (4marks)
- (ii). Give four advantages of studying industry through field work. (4marks)
8. Study the map of the world below and use it to answer question (a) (i)



(a). (i). Name the fishing grounds marked.

(3marks)

X -

Y -

Z -

(ii). Explain three physical factors influencing fishing in the region marked X on the map.

(6marks)

(b) Describe how the basket method is used in catching the fish.

(5marks)

(c) (i) State five ways in which marine fisheries in Kenya can be conserved.

(5marks)

(ii) Name three methods used to preserve fish in lake Turkana.

(3marks)

(d). State three characteristics of demersal fish.

(3marks)

9. (a). Study the map outline below shows the Great lakes and St. Lawrence sea way and use it to answer questions below.



- (i). Use the map to name the following: (4marks)
- The lake marked X
 - The canal marked Y
 - The waterfall marked Z
- (ii). State five problems and the solutions faced during the construction of the Great lakes and St. Lawrence sea way. (5marks)
- (iii). Explain three ways through which the water way has promoted industrialization in the economies of the Canada and U.S.A. (6marks)
- (b). State four ways in which the Kenyan government has promoted air transport. (4marks)
- (c). What is containerization? (2marks)
- (d). Give four advantages of the Great North road. (4marks)
10. (a) Differentiate between management and conservation of environment. (2marks)
- (b) (i) State four reasons for the management and conservation of environment. (4marks)
- (ii) Give three man-made hazards in your country. (3marks)
- (c) State five effects of drought in Kenya. (5marks)
- (d) You are planning to carry out a field study on causes of pollution along Nairobi river.
- (i) Identify three ways you will need to prepare for the study. (3marks)
- (ii) Identify five causes of pollution you are likely to see along Nairobi river. (5marks)
- (ii) What are possible follow-up activities that students will be involved in after the study? (3marks)

NAME.....ADM NO.....
 SCHOOL.....CLASS.....
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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 8

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

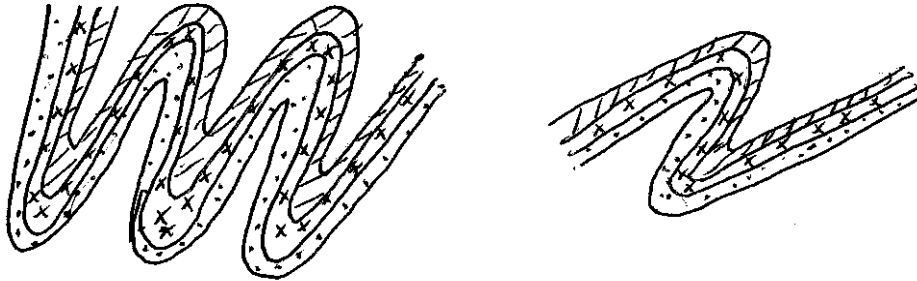
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

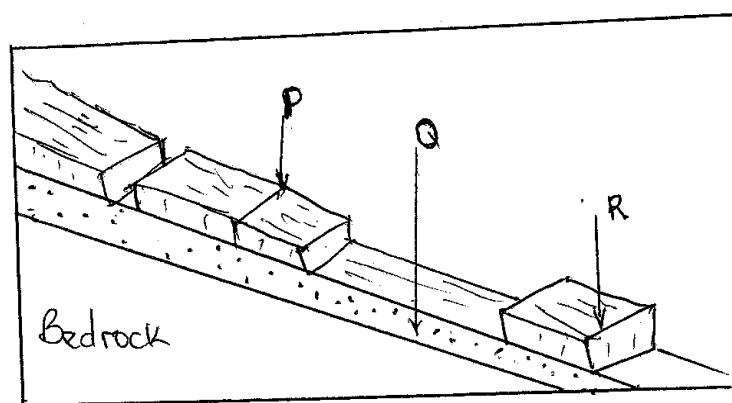
SECTION A

Answer All Questions

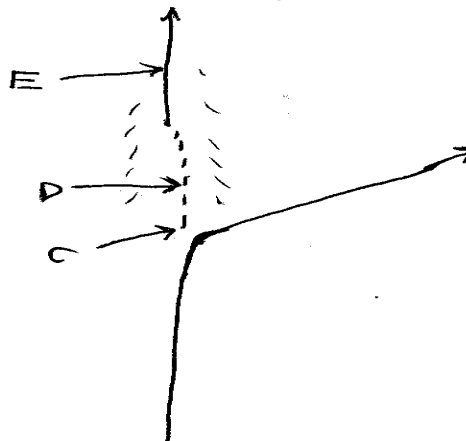
1. (a) Define Geography (2marks)
(b) Give two reasons to explain why the interior of the earth is hot (2marks)
(c) Distinguish between meteors and meteorites (2marks)
2. (a) Identify the types of folds shown (2marks)



- (b) State three negative effects of folding on human activities (3marks)
3. (a) State two causes of soil creep (2marks)
(b) The diagram below shows rock creep. Name the parts marked P, Q, R (3marks)



4. (a) Identify the features C, D, & E shown in the diagram (3marks)



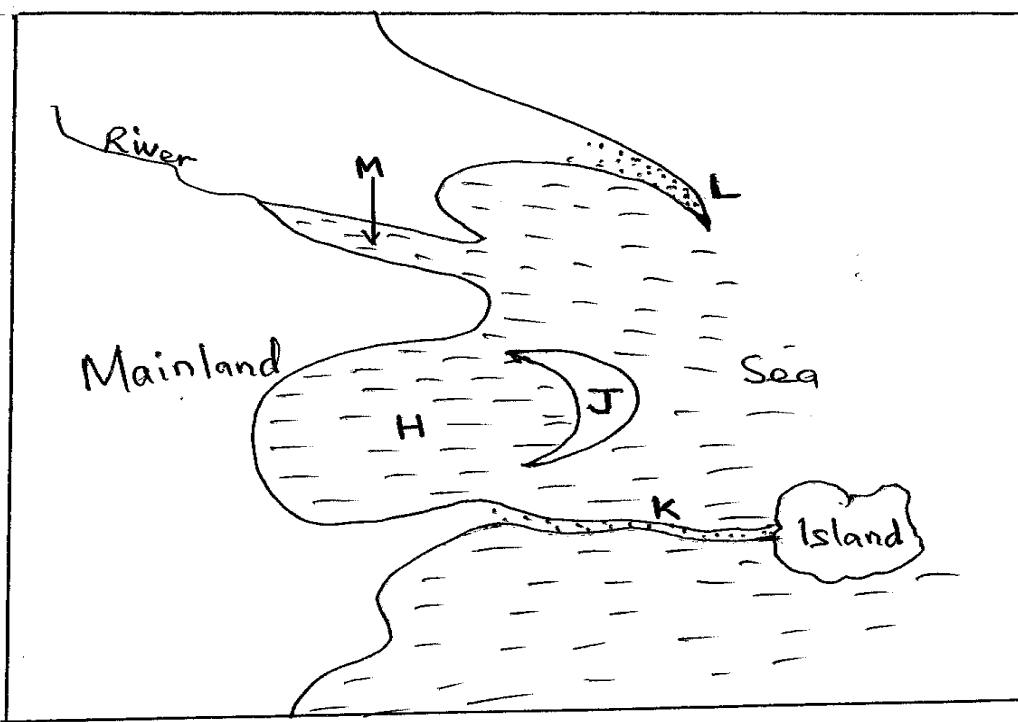
- (b) State two causes of river rejuvenation **(2marks)**
- 5. (a)** State two physical factors that contribute to the development of Sahara Desert. **(2marks)**
- (b) Draw a well labeled diagram to show a Zeugen. **(2marks)**
- 6.** Study the map of Kitale scale 1:50,000(sheet 75/3) provided and answer the questions that follow.
- (a) (i) Give the bearing of the trigonometrical station secondary at grid 2823 from the water hole at grid 3127 **(2marks)**
- (ii) Give the magnetic variation of the area covered by the map extract **(1mark)**
- (b) Name three types of settlement patterns found on the map extract **(3marks)**
- (c) (i) Draw a cross section from the grid reference 340280 to Kaipos trigonometrical station at grid square 3932. (Use a scale of 1cm rep. 40 m) **(2marks)**
- (d) (i) On your cross section, mark and label the following:
- (a) Dam **(1mark)**
- (b) River Saiwa **(1mark)**
- (c) Forest boundary **(1mark)**
- (ii) Calculate the gradient between the dam and the starting point **(2marks)**
- (d) (i) Explain 3 factors that favour the growing of wattle in the area covered by the map. **(6marks)**
- (ii) Give two evidences showing why the area has a wet climate **(2marks)**
- (e) Draw a rectangle 7.2 cm to 10 cm representing the area West of Eastings 30 and South of Northing 20 **(1mark)**
- On it mark and label the following
- (a) Kitale municipality **(1mark)**
- (b) All weather roads loose surface **(1mark)**
- (c) Koitobos river **(1mark)**
- 7. (a)** (i) Differentiate between vulcanicity & volcanicity. **(2 marks)**
- (ii) Draw the map of Kenya. **(1 mark)**
- On it locate and name:
- M-mau escarpment. **(1 mark)**
- O-lake Magadi **(1 mark)**
- Y – Yatta plateau **(1 mark)**
- (b) With the aid of a well labeled diagram describe how the following features are formed:
- (i) Lava plateau. **(5 marks)**
- (ii) sill **(3 marks)**
- (c) (i) Give two characteristics of the Gregory rift valley. **(2 marks)**
- (ii) You have been asked to carry out a field study on faulting in the Rift Valley, design a working schedule to use during the study. **(3 marks)**

(d) Explain three negative influences of vulcanicity and associated features on human activities in Kenya. (6 marks)

8. (a) (i) Differentiate between a barrier reef and a fringing reef (2marks)

(ii) Give three causes of oceans currents (3marks)

(b) The diagram below shows Coastal features. Use it to answer questions b (i).



(i) Name the coastal features marked H, J, K, L (4marks)

(c) With the aid of diagrams describe how a wave – cut platform is formed (6marks)

(d) Explain how the following factors influence development of coasts

(i) Climate (2marks)

(ii) Gradient of the Coast (2marks)

(e) Your class intends to carry out a field study on the features along the coast of Kenya.

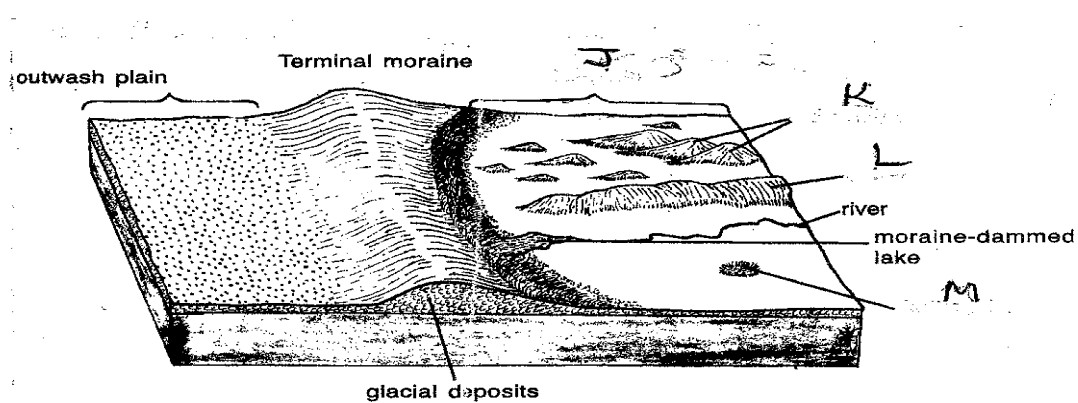
(i) Why would they need to carry out reconnaissance (3marks)

(ii) Give three disadvantages of using observation to collect data (3marks)

9. (a) Distinguish between glacial till and fluvio-glacial deposits (2marks)

(b) Explain three factors that determine the rate at which ice moves. (6marks)

(c) The diagram below shows depositional features in lowlands



(i) Name the features marked J, K, L and M. (4 marks)

(ii) Describe how the following features are formed: (4marks)

- moraine dammed lake (4marks)

- outwash plain (4marks)

(d) Students from Meru high school intend to carry out a field study on features of Glaciations on Mt Kenya

(i) Identify two methods they will use to collect data. (2marks)

(ii) State one negative effect they are likely to identify (1marks)

(iii) State two follow up activities they are likely to engage in (2marks)

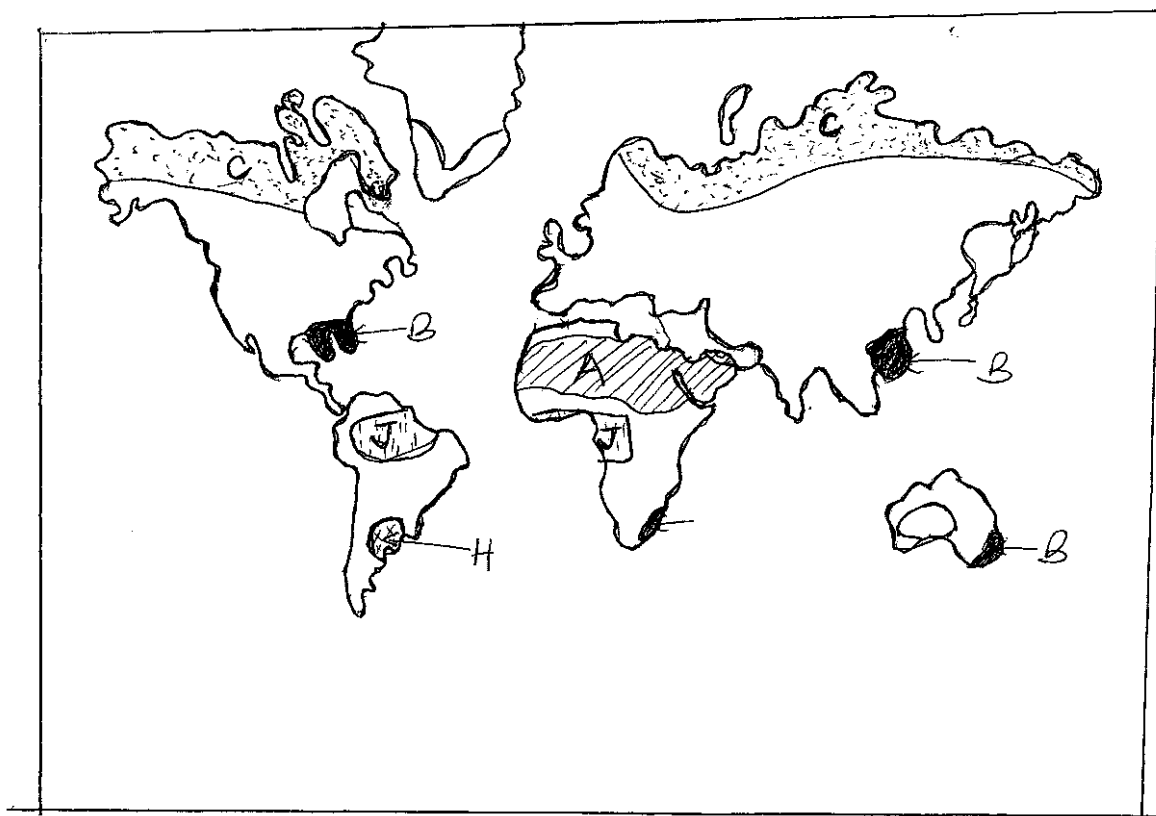
10. (a) (i) State three characteristics of ITCZ (3marks)

(ii) Describe the following factors influence climate

- configuration of the coastline (2marks)

- Distance from the sea (2marks)

(b) Study the world map provided and use it to answer the questions below.



- (i) Name the climatic regions **A,B,C** **(3marks)**
- (ii) Name the vegetation type marked **H&J** **(2marks)**
- (iii) Explain three ways in which coniferous forests have adapted to the climatic conditions **(6marks)**

(c) You carried out a field study in a marginal area experiencing encroachment of desert conditions

- (i) State two objectives for your study. **(2marks)**
- (ii) How would you record your findings during the study? **(2marks)**
- (iv) Describe three findings on the causes of the encroachment **(3marks)**

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

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

DATE.....

TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 8

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

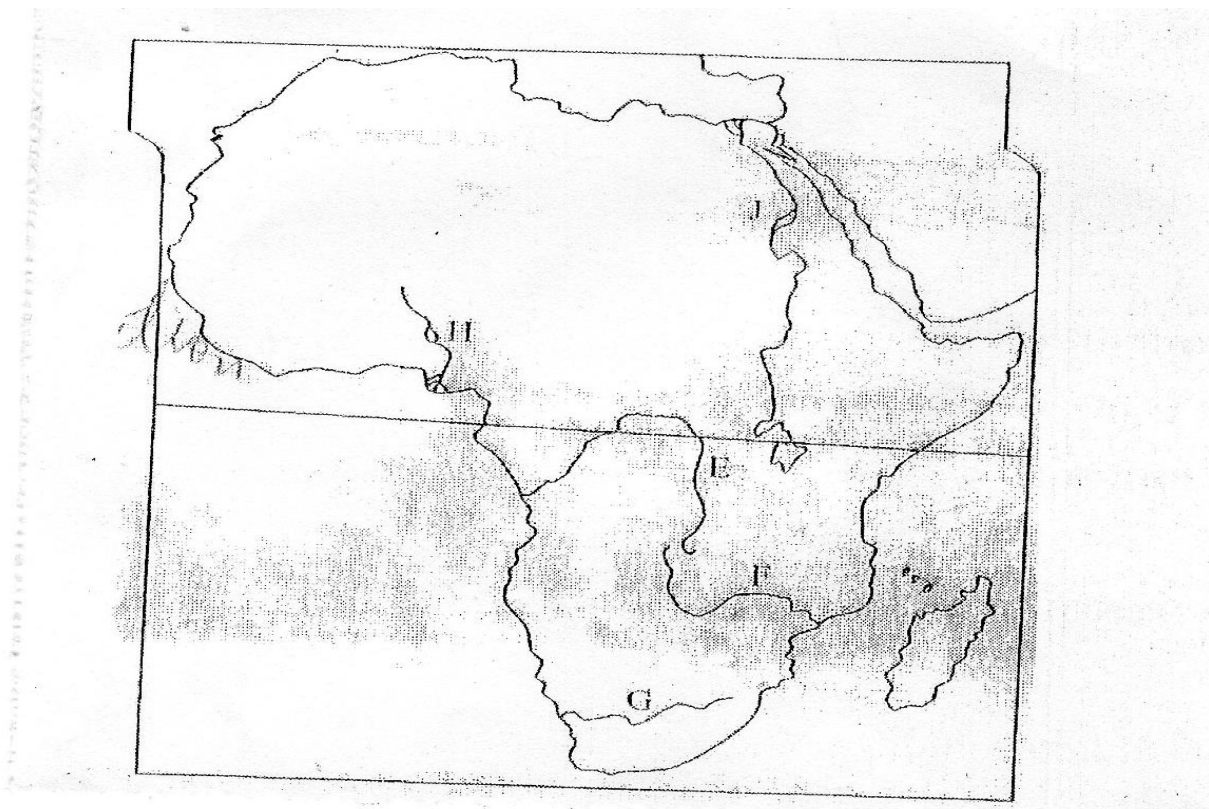
- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A – Answer ALL Questions

1. a) Name two provinces in Canada where forestry is an important activity. (2mks)
b) Identify two industries in Kenya associated with lumbering. (2mks)
2. a) State two factors that have led to the decline of coal as an industrial fuel (2mks)
b) State three likely benefits of oil mining in Turkana County (3mks)
3. a) Identify two areas in Kenya where flooding is common. (2mks)
b) What are the benefits that resulted from the reclamation of Yala Swamp? (2mks)
4. a) Define Transport. (1mk)



- b) Name
i) The river marked E, F and G (3mks)
ii) The human made lake marked H and J. (2mks)
5. a) State three environmental conditions which favour beef farming

in Kenya.

(3mks)

b) Give three reasons why horticultural produce is exported by air. (3mks)

SECTION B

Answer questions six and two other questions from this section.

6. The table below shows four main cash crops produced in Perkeerra Irrigation Scheme in the years 2009 and 2010. Use it to answer question (a)

Crop Amount in Kilograms		
Year	2009	2010
Seed maize	250,000	300,000
Watermelons	230,000	350,000
Others	70,000	140,000
Pawpaw	100,000	60,000

i) Draw a divided rectangle 15cm to represent the data for 2009. (8mks)

ii) State two disadvantages of using divided rectangles to represent Data. (2mks)

iii) Calculate the percentage decrease in pawpaw between years 2009 and 2010. (2mks)

(b) i) State three problems that are experienced in Perkerra Irrigation Scheme. (3mks)

ii) Describe the stages involved in coffee production in Kenya from picking to processing. (6mks)

iii) Give three characteristics of horticulture farming in Kenya. (3mks)

7a) i) State three physical conditions that may discourage setting up of Game Reserves and Parks. (3mks)

ii) Name one Game Ranch in Kenya. (1mk)

b) State the significance of wildlife to Kenya. (5mks)

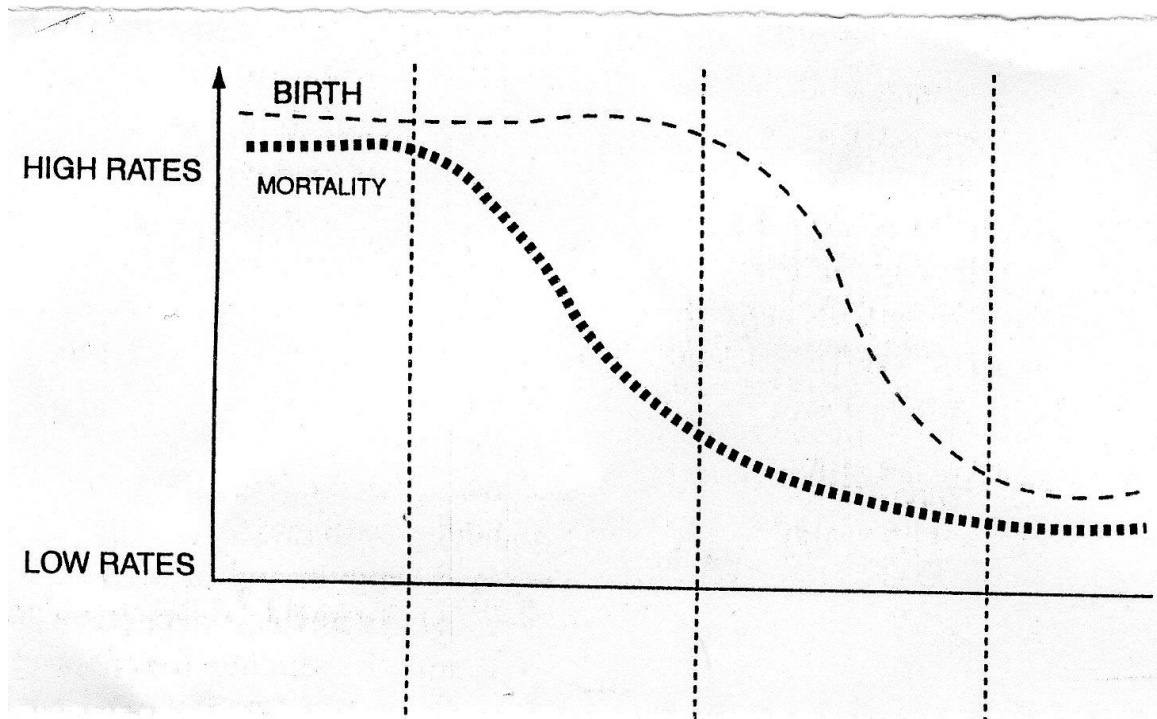
c) i) Differentiate between domestic and international tourism. (2mks)

- ii) Explain four factors that hinder development of domestic tourism in Kenya. (8mks)
- iii) State four problems experienced by the Kenya government in its efforts to conserve wildlife. (4mks)
- iv) Explain three reasons why Switzerland receives more tourists than Kenya. (6mks)
8. a) i) Name two types of fish reared in fish farms in Kenya. (2mks)
- ii) State four efforts taken by the Kenyan government to improve fish farming. (4mks)
- iii) Differentiate pelagic fishing from demersal fishing. (2mks)
- b) Describe purse-seining method of fishing. (5mks)
- c) Compare fishing in Kenya and Japan under the following headings:-
- (i) Nature of landscape (2mks)
- (ii) Market (2mks)
- (iii) Climate (2mks)
- d) Explain the following problems of fishing in Kenya and suggest one possible solution for each.
- i) Pollution (3mks)
- ii) Growth of weeds. (3mks)
- 9 a) i) Give four reasons why Kenya should industrialize by the 2030. (4mks)
- ii) Why are industries located near water resources? (3mks)
- iii) Name two car manufacturing towns in Japan. (2mks)
- b i) Distinguish between renewable and non-renewable sources of energy. (2mks)
- ii) Explain three physical factors that favoured the development of Seven Forks Dam Project. (6mks)
- iii) State four effects of energy crisis. (4mks)
- c) You intend to carry out a field study on Industries in Nairobi.
- i) Name two sources of secondary information you will use for the study. (2mks)
- ii) Name two heavy industries you are likely to identify. (2mks)
- 10 a) i) Distinguish between immigration and emigration. (2mks)
- ii) State two causes of urban - rural migration. (2mks)

iii) In 1999 the crude birth rate in Kenya was 41.3 while the crude death rate 11.7. What was the population growth rate?

(2mks)

b)



Stage I

Stage II

Stage III

Stage IV

Use the diagram above that shows demographic trends to answer question b(i).

b) i) Describe the characteristics of stage II.

(3mks)

c) Explain three problems of a country with an ageing population.

(6mks)

d) i) State 2 differences in the functions of New York and Nairobi Cities.

(4mks)

ii) Explain three factors that lead to the growth of Mombasa as major Port in East Africa.

(6mks)

NAME.....ADM NO.....
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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 9

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION B

Answer all questions

1. a) State three reasons why we study Geography. (3mks)
b) Give two forces that are responsible for the shape of the earth. (2mks)
2. a) What is the effect of crossing the international date line from west to east. (2mks)
b) State three reasons why the interior of the earth is still hot. (3mks)
3. a) Differentiate between river rejuvenation and river capture. (2mks)
b) State three conditions for river capture to occur. (3mks)
4. a) State two causes of soil creep. (2mks)
b) Name three types of land slide. (3mks)
5. a) Define the term mineral. (2mks)
b) Outline three differences between volcanic and plutonic rocks. (3mks)

SECTION B

ANSWER QUESTION 6 AND ANY OTHER TWO QUESTIONS FROM THIS SECTION

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

- a) i) State the longitudinal extent of the area covered by the map. (2mks)
ii) Calculate the magnetic variation. (2mks)
- b) i) Draw a cross section between grid 310 140 to 390 140. (4mks)
Mwatunge hill
Sisal estate
Road bound surface (3mks)
Use a vertical scale of 1cm rep. 20m
ii) Calculate vertical exaggeration of your cross section. (2mks)
- c) i) Describe drainage of the area covered by the map. (5mks)
- d) i) State two evidences for wet climate in Taita hills. (2mks)
ii) Mention three ways in which relief has been represented on the map. (3mks)
iii) Give two types of settlement patterns found on the map. (2mks)
7. a) i) State three characteristics of ITCZ. (3mks)
ii) Describe how the following factors influence climate.
Configuration of the coastline. (2mks)
Distance from the sea. (2mks)
- b) i) Name the temperate grasslands in the following regions.
Argentina
South Africa
Australia
Europe (4mks)

- c) Explain three ways in which the coniferous forests have adapted to the climatic conditions. (6mks)
- d) Students of Bujumba AC carried out field work in a marginal areas experiencing desert encroachment.
- i) State **two** objectives for the study. (2mks)
 - ii) How did they record their findings in the field. (3mks)
 - iii) Describe three findings on the cause of encroachment. (3mks)
8. a) i) Identify **two** features formed by vertical earth movement. (2mks)
- ii) Explain how the following factors cause earth movements.
 - Gravitative pressure. (2mks)
 - Isostatic adjustment. (2mks)
- b) Describe the plate tectonic theory. (5mks)
- c) i) What is faulting. (2mks)
 - ii) Draw the diagram of a normal fault on it name and mark.
Heave
Hade (2mks)
 - iii) A part from the above fault name two other types of faults. (2mks)
- d) Explain **four** ways in which faulting influences drainage. (8mks)
9. a) ii) Define the term desert. (2mks)
- iii) Mention **two** desert landscapes. (2mks)
- b) i) Explain **two** ways how wind transports it's load. (4mks)
- ii) Describe how a barchans is formed. (7mks)
- c) i) State **three** reasons why wind action is pronounced in hot regions than in cold regions. (3mks)
- ii) Differentiate between mesas and buttes. (2mks)
- d) Give five positive effects of desert features to man. (5mks)
10. a) Distinguish between glacial till and fluvio-glacial till. (2mks)
- b) Explain **three** factors that determine the rate of ice movement. (6mks)
- c) i) Mention four depositional features of glaciation. (4mks)
- ii) Describe how the following features are found.
Moraine – dammed lake. (4mks)
Outwash plain. (4mks)
- d) You carried out fieldwork on a glaciated area.
- i) Mention **two** methods of data collection you used. (2mks)
 - ii) State **one** negative effect of glaciation. (1mk)
 - iii) Give **two** follow up activities that you carried out. (2mks)

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 9

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	



SECTION A

Answer all the questions in this section

1. (a) State **three** ways in which minerals occur (3 mks)
(b) Name any **two** types of underground mining (2 mks)
2. (a) What is a forest (1 mk)
(b) State any **two** characteristics of the tropical hardwood forests. (2 mks)
(c) State **two** main species of softwood trees mainly grown in Canada. (2 mks)
3. (a) State **one** major characteristics of non-renewable energy sources. (1mk)
(b) Name any **two** non-renewable energy sources. (2mks)
(c) State any **two** effects of charcoal burning in the environment. (2mks)
4. (a) What is a trading bloc. (2mks)
(b) State any **three** factors influencing trade. (3mks)
5. (a) Name any **two** pre- historic sites that are popular with tourists in Kenya. (2mks)
(b) State the **three** agencies set up by the three governments of East Africa countries to manage the game parks and take care of the wildlife. (3mks)

SECTION B

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

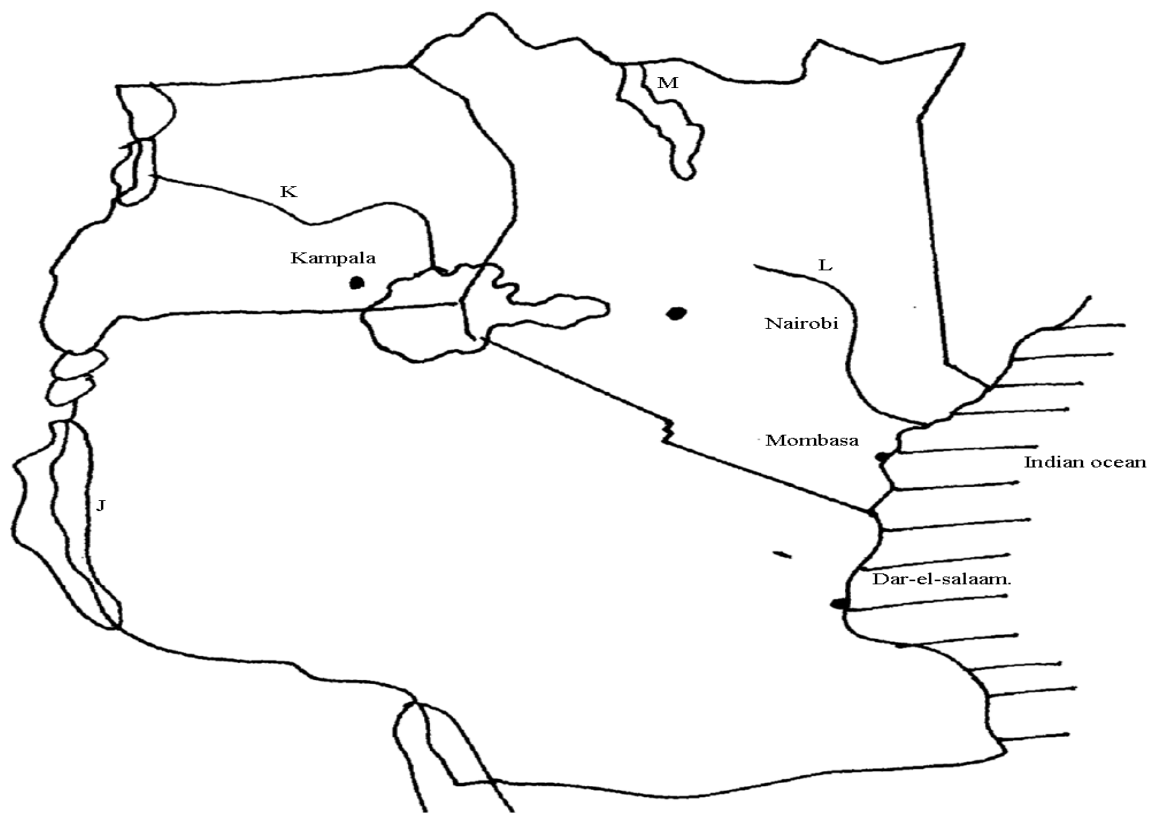
6. The table below shows the population for the three district of Trans–Nzoia County.

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

Note

Population in

- (a) (i) Using the above information, construct a compound bar graph. Use a scale of 1cm Represent 25,000 people use the graph paper provided. (9mks)
- (ii) Draw any two conclusions from the bar graph you have constructed (2mks)
- (b) Explain three factors causing internal migration in Kenya. (6mks)
- (c) (i) Explain three factors leading to slow population growth in some parts of East Africa. (6mks)
- (ii) State any two importance of a high population in a country. (2mks)
7. (a) (i) Name 2 major towns found in the oil palm growing areas in Nigeria. (2mks)
- (ii) Explain four physical features favouring oil palm growing in Nigeria. (8mks)
- (b) Describe the steps involved in the processing of oil palm from the time is harvested. (8mks)
- (c) (i) State four problems facing oil palm farmers in Nigeria. (4mks)
- (ii) List three uses of oil palm. (3mks)
8. (a) (i) What are pelagic fish (1mk)
- (ii) Give two examples of pelagic fish (2mks)
- (b) The map below shows fishing grounds in East Africa. Use it to answer the questions that Follows



- (i) Name the fishing grounds marked J, K, L and M. (4mks)
- (ii) Explain the solutions to any four problems facing Inland fishing in East 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)

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

b) 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)

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

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 10

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A:

Answer all questions from this section.

1. a) What is a line of longitude? (2mks)
b) What is the time at Moyale on 38⁰E when the time at Tema on prime meridian (0⁰) is 1.00p.m? (3mks)
2. a) Name two theories of the origin of the Earth. (2mks)
b) Identify three layers of the earth's atmosphere. (3mks)
3. a) Name the scale used to measure the magnitude of an earthquake. (1mk)
b) List three causes of earthquakes. (3mks)
4. a) State three factors influencing the development of Karst scenery. (3mks)
b) Give three surface features formed in limestone areas. (3mks)

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

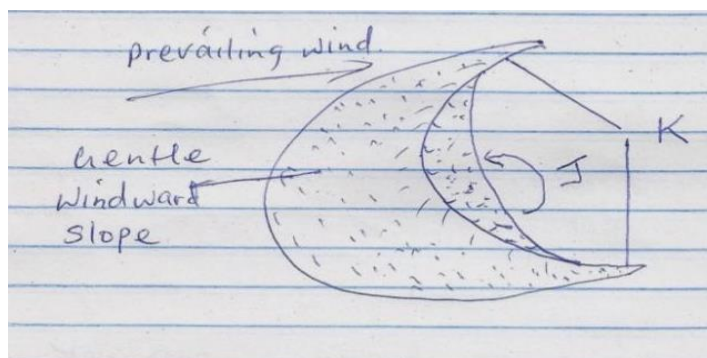
b) State three economic benefits of weathering (3mks)

SECTION:B

Answer question 6 and any other two in this section.

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

- a) i) Show the longitudinal extent of the area covered by the map. (1mk)
ii) Convert the scale of the map to a statement scale. (2mks)
iii) Calculate the area of the forest at Majengo and Shelemba between eastings 35 and 40 and below northing 21. (2mks)
- b) Draw a square 12cm by 12 cm to represent the area enclosed by Easting 40 and 43 and the Northing 27 and 30. On the rectangle mark and name the following features. (1mk)
- i. All weather road loose surface D535 (1mk)
 - ii. Water pipeline (1mk)
 - iii. River (1Mk)
 - iv. Forest (1mk)
- c) i) Citing evidence from the map give three types of economic activities carried out in the area covered by the map. (3mks)
ii) Name two natural features that indicate that the area covered by the map receives high rainfall. (2mks)
- d) Name three social activities taking place within wundanyi town. (3mks)
- e) i) Citing evidence from the map, explain three Factors that have influenced distribution of settlements in the area covered by the map. (6mks)
ii) Give the magnetic variation of the area when the map extract was drawn. (1mk)
7. a) i) Identify two processes through which wind erodes the earth's surface. (2mks)
ii) Name two major deserts found in Africa. (2mks)
- b) The diagram below represents a barchan. Use it to answer b(i)



i) Name the feature marked

J-

K-

(2mks)

- ii) Describe how the following features found in hot desert are formed.**
- An oasis (5mks)
- A yardang (5mks)
- c) You are supposed to carry out a field study of a semi-arid area in Kenya.**
- i. State three ways through which you would prepare yourself for the field study.** (3mks)
- ii. What information would you collect through observation that would indicate that the area is turning into a desert?** (3mks)
- iii. State three measures you would recommend to be put in place to control desertification in the area.** (3mks)
- 8. a) i) What is a waterfall?** (2mks)
- ii) Give two economic significance of a waterfall.** (2mks)
- iii) Identify two drainage patterns along the slope of a mountain.** (2mks)
- b) i) Describe the following river erosion processes**
- Hydraulic action 4mks
- Solution 2mks
- c) i) Apart from deltas, outline four characteristics of a flood plain.** 4mks
- ii) State three factors that favour the formation of delta.** 3mks
- iii) Describe the formation of an arcuate delta and give an example.** 4mks
- d) State any two negative effects of rivers.** 2mks
- 9.a(i) What is a coast.** 2mks
- (ii) Explain two ways in which the nature of rocks influences the shape of coast.** 4mks
- b Outline three characteristics of a fiord coast.** 3mks
- c Describe the formation of oceanic islands.** 4mks
- d. (i) State four causes of ocean currents.** 4mks
- ii) Explain four ways Kenya benefits from coastal landforms.** 8mks
- 10. a) What is an iceberg?** 2mks
- (ii) State three factors which determine the speed of a glacier.** 3mks
- b). (i) Other than a Pyramidal Peak, name three features on a glaciated highland.** 3mks
- (ii) Describe the formation of a Pyramidal Peak.** 5mks
- c) With the aid of a well labeled diagram, describe the formation of a Crag and tail.** 4mks
- d) Explain two ways in which glaciation in highlands is of economic benefits to human beings.** 4mks
- e) Your class carried out a field study on a glaciated lowland.**
- (i) State two reasons why you needed a route map.** 2mks
- (ii) Identify two problems you were likely to face during your study.** 2mks

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

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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 1 SERIES 1 TRIAL 10

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

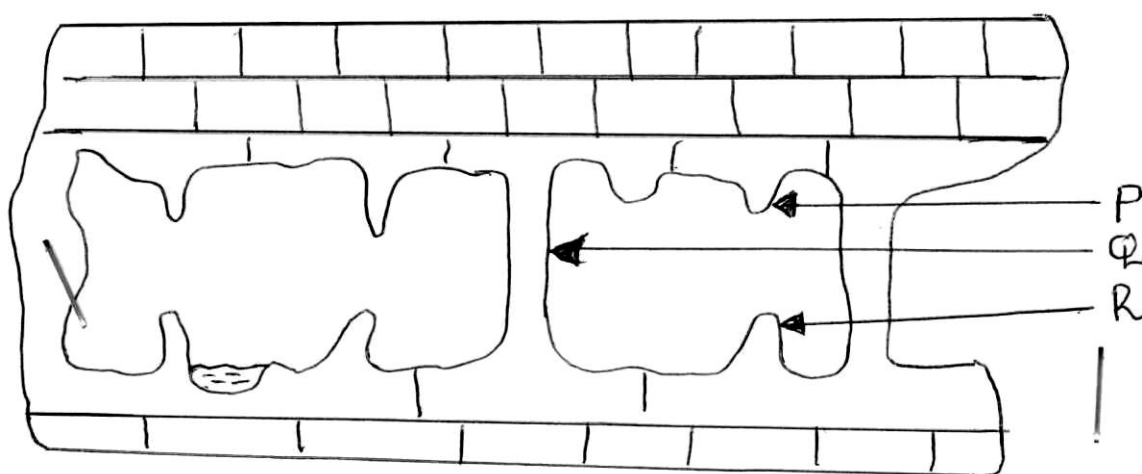
FOR EXAMINER'S USE ONLY

SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

SECTION A

Answer ALL Questions.

1. (a) What is solstice? (1mk)
(b) Give the date when summer solstice occurs. (1mk)
(c) State **three** proofs to show that the earth is spherical. (3mks)
2. (a) Name **two** factors that influence atmospheric pressure. (2mks)
(b) State **three** characteristics of inter-tropical convergence zone. (3mks)
3. The diagram below represents some features formed in Karst landscape.



- (a) State the features labelled P, Q and R. (3mks)
(b) State **two** conditions for the formation of an artesian well / basin. (2mks)
4. (a) State **two** characteristics of intrusive igneous rocks. (2mks)
(b) Name **three** methods used to estimate the age of rocks. (3mks)
5. (a) State **three** ways through which rivers transport its load. (3mks)
(b) Give **two** effects of earthquakes in built-up areas. (2mks)

SECTION B

Answer question 6 and any other two questions in this section

6. Study the map of Karatina 1:50,000 (sheet 121/3) provided and answer the following questions:-
 - (a) (i) Give the magnetic variation of the area covered by the map. (1mk)
(ii) Give **two** methods used to represent relief on the map provided. (2mks)
(iii) Calculate the area of Mount Kenya Forest in Kirinyaga District. (2mks)

- (b) Give three social services provided at Tumu Tumu town. (3mks)
- (c) Draw a cross-section along Northings 50 from Eastings 92 to 98. (3mks)
- (i) On the cross-section mark the following features: (3mks)
- All Weather Road
 - River Karuru
 - District boundary
- (ii) Calculate the vertical exaggeration (V.E) (2mks)
- (iii) Determine the inter-visibility of the cross-section. (1mk)
- (d) Describe the drainage of the area covered by the map. (6mks)
- (e) Give the highest and lowest point of the area covered by the map. (2mks)
7. (a) (i) Apart from Rift Valley, name two other relief features that were formed as a result of faulting. (2mks)
- (ii) With the aid of a well labeled diagram, describe how a Rift Valley is formed by tensional forces. (8mks)
- (b) Explain four effects of faulting. (8mks)
- (c) Students are planning to carry out a field study in an area affected by faulting.
- (i) State four reasons why it is important for the students to have a pre-visit of the area. (4mks)
- (ii) One of the ways they would use to collect data is through direct observation. Give three disadvantages of direct observation in the study of such an area. (3mks)
8. (a) (i) What is the difference between weathering and mass wasting? (2mks)
- (ii) Apart from plants, give three other factors that influence the rate of weathering. (3mks)
- (iii) Explain two ways in which plants cause weathering. (4mks)
- (b) (i) List two types of mass wasting other than soil creep. (2mks)
- (ii) Explain three factors that cause soil creep. (6mks)
- (c) Explain four effects of mass wasting on the environment. (8mks)
9. (a) What is glaciations? (2mks)
- (b) State the two conditions that favour formation of a glacier. (2mks)
- (c) (i) Name three processes through which ice moves. (3mks)
- (ii) Explain three processes through which glacier erodes the surface. (6mks)
- (d) Describe the formation of the following features:
- (i) Roche Moutonnée (4mks)
- (ii) Rock basin (4mks)
- (e) Explain two negative effects of glaciations on the physical environment. (4mks)

- 10.(a)** What is soil catena? (2mks)
- (b)** Explain the following leaching processes:
- (i)** Laterisation. (3mks)
 - (ii)** Podzolisation. (3mks)
- (c)** **(i)** State **three** ways in which humus improves the quality of soil. (3mks)
- (ii)** Name **three** types of soil according to structure. (3mks)
- (d)** Explain how the following factors cause loss of soil fertility:
- (i)** Change in soil pH. (2mks)
 - (ii)** Irrigation in arid and semi arid regions. (2mks)
 - (iii)** Destruction of soil structure. (2mks)
- (e)** You have been asked to carry out a field study in causes of soil erosion in a region near your school.
- (i)** Mention **two** methods you would use to collect data during the study. (2mks)
 - (ii)** Mention **two** activities you would undertake during the field study. (2mks)
 - (iii)** Mention **one** follow up activity you would carry out after the field study. (1mk)

NAME.....ADM NO.....
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TOP STUDENT KCSE PREDICTIONS

GEOGRAPHY PAPER 2 SERIES 1 TRIAL 10

Kenya Certificate of Secondary Exams

TIME: (2¾ HOURS)

INSTRUCTIONS TO STUDENTS

- *This paper has two sections A and B.*
- *Answer ALL the questions in section A. In section B answer questions 6 and any other TWO questions.*

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SECTION	QUESTION S	MAXIMUM	CANDIDATE'S SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	

1. a) Define the term nomadic pastoralism (2mks)
b) State any three characteristics of nomadic pastoralism (3mks)
2. a) Name two oil producing countries in Africa (2mks)
b) State three effects of land dereliction due to mining (3mks)
3. a) Differentiate horticulture and market gardening (2mks)
b) List three characteristics of horticulture (3mks)
4. a) Name two countries in Kenya where wheat is grown on large scale (2mks)
b) Give three physical conditions that favour large scale wheat farming in the prairies provinces of Canada (3mks)
5. a) Define the term agroforestry (2mks)

SECTION B

Answer question six and any other two questions from this section

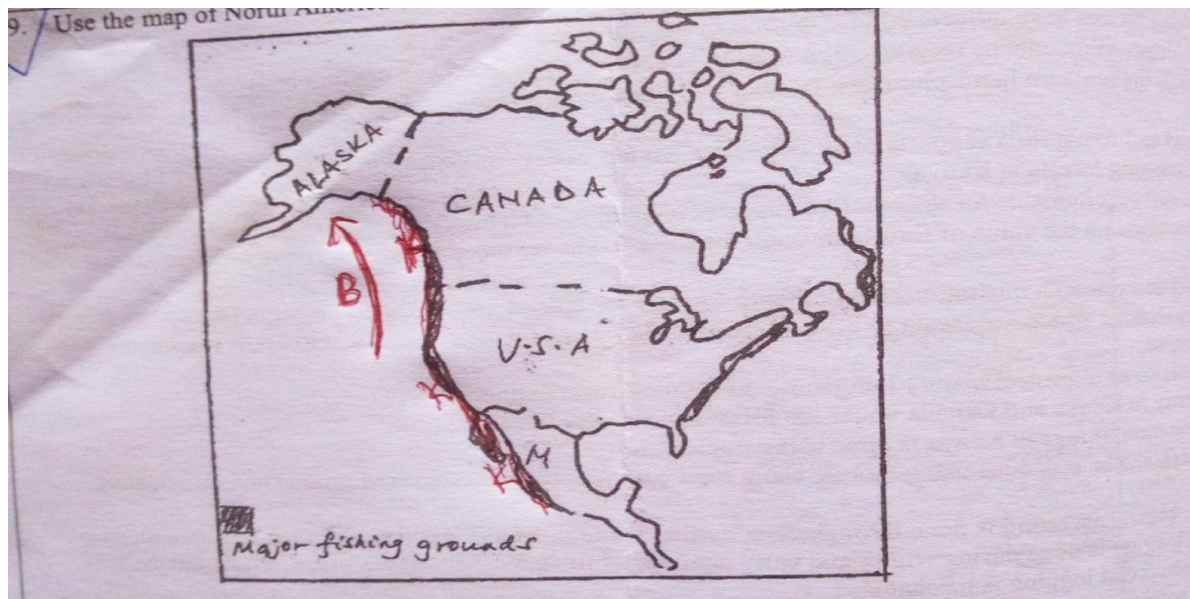
6. The table below shows the types of forest in Kenya in hectares

closed forest	900 ha
woodland	300 ha
grassland	200 ha
bamboo	60 ha
mangrove	40 ha
Total	1500 ha

- i) Draw a divided rectangle 10 cm long to represent the above information (7mks)
 - ii) Give three advantages of using divided rectangles to represent data (3mks)
 - b i) A part from coniferous forest name two other types of natural forest (2mks)
ii) State five characteristics of coniferous forest (5mks)
 - c i) Explain four factors which favour the growth of natural forest in the highlands of Kenya (8mks)
- 7a) Name three crops grown in Kenya to produce vegetable oil (3mks)
b) Give three uses of palm oil. (3mks)
c i) Name the main type of coffee grown in Kenya (1mk)
ii) State five physical conditions favouring coffee growing in Kenya highlands. (5mks)
iii) Describe the stages of coffee production from picking to marketing (10mks)

d) A geography class carried out a field work in coffee factory near their school state three ways in which they prepared for the field study (3mks)

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



a) Name

i. The fishing ground marked K (1mk)

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

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

c) Describe trawling method of fishing (6mks)

di) Explain three ways in which overfishing can be controlled in lake Naivasha (6mks)

ii) State three significance of fish farming (3mks)

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

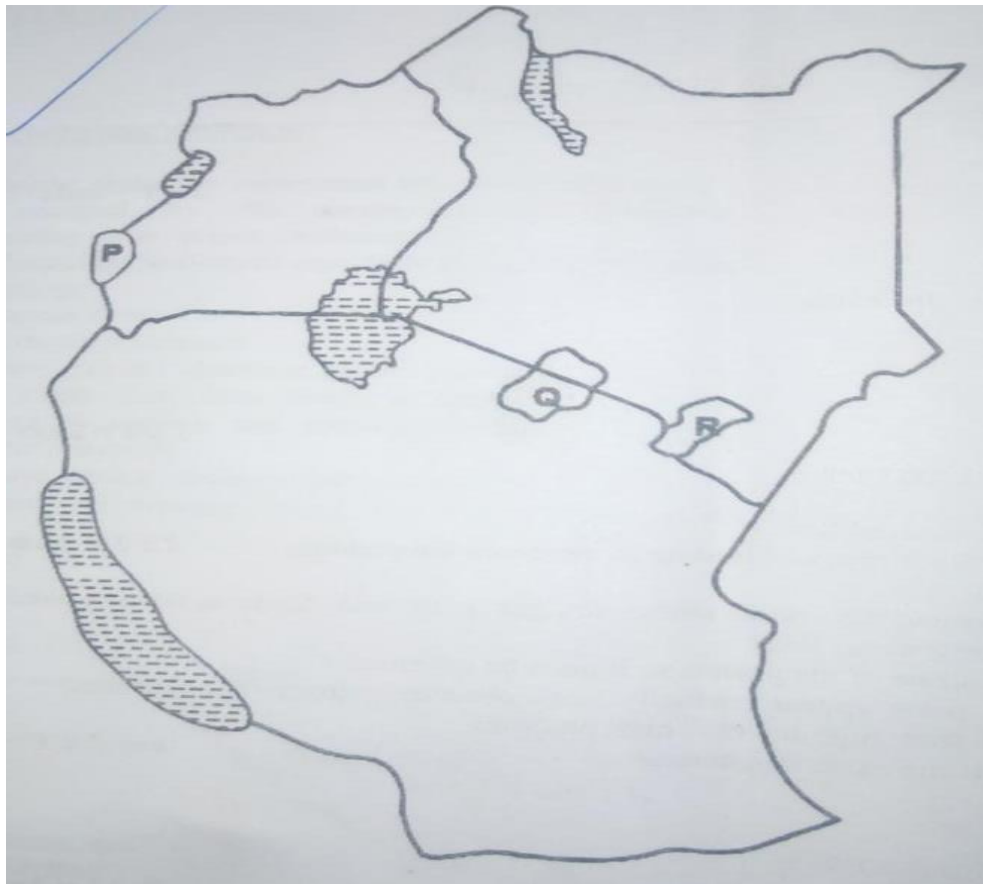
b) Explain three significance of irrigation farming in Kenya (6mks)

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

d.i) State the similarities between land reclamation in Kenya and the Netherlands (4mks)

ii) A Geography class in Mwea high school carried out a field study in Mwea irrigation scheme about irrigation farming state **three** follow-up activities they would be involved in (3mks)

10.



- a) Name the national parks marked P, Q, R (3mks)
- bi) Give reasons why game reserves and national parks are located in the marginal areas. (3mks)
- ii) Apart from wildlife, name three other tourist attractions in the western Kenya circuit (3mks)
- iii) State four ways in which tourist attractions in Kenya differ from those of Switzerland (4mks)
- c i) Explain how the following factors influence the distribution of wildlife in Kenya
vegetation (2mks)
- ii) Altitude
- d) Explain four measures that Kenya should take in order to attract more tourists (8mks)



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Other available resources are;

📌 well summarised primary and secondary notes

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📌 primary exams

📌 KCSE past papers

📌 KCPE past papers

📌 Mocks

📌 lesson plans

📌 schemes of work

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