-11						
122						
		-		13		

Candidate's Signature

Date.....

312/1 GEOGRAPHY Paper 1 Oct./Nov. 2014 2¾ hours





THE KENYA NATIONAL EXAMINATIONS COUNCIL Kenya Certificate of Secondary Education GEOGRAPHY Paper 1 23/4 hours

### Instructions to candidates

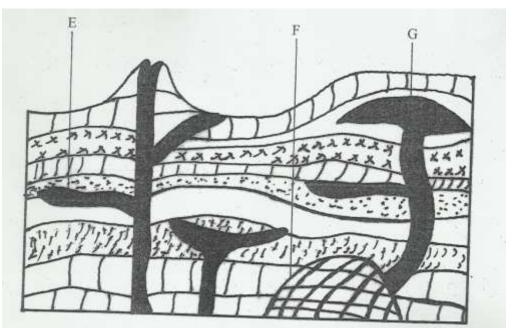
- (a) This paper has two sections: A and B.
- (b) Answer all the questions in section A.
- (c) Answer question 6 and any other two questions from section B.
- (d) All answers must be written in the answer booklet provided.
- (e) This paper consists of 6 printed pages.
- (f) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (g) Candidates should answer the questions in English.

### **SECTION A** Answer **ALL** the questions in this section.

1. Name **two** types of hypabyssal rocks.

(2 marks)

2. (a) The diagram below shows intrusive volcanic features.



Name the features marked E, F and G.

(3 marks)

b) Name two active volcanoes in Kenya. (2 marks 3 (a) Give three processes in the hydrological cycle. (3 marks) State four factors that facilitate deposition in rivers. (b) (4 marks) 4(a) Explain two reasons why wind is the dominant agent of erosion in arid areas. (4 marks) (b)Identify two features formed as a result of wind deposition in arid areas. (2 marks) 5 (a)Describe podzolization as a process of leaching. (2 marks) (b)State **three** ways in which mulching helps in soil conservation. (3 marks)

### SECTION B

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

- Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions. (a) (i) Give the longitudinal extent of the area covered by the map. (2 marks)
  - (ii) What is the magnetic variation of the map? (1 mark)
  - (iii) Give the six-figure grid reference for the junction of the roads D503 and D507.

(2 marks)

- (b) (i) Using a vertical scale of 1 cm to represent 100 metres, draw a cross section along the line marked J-K. (4 marks)
  - (ii) On it, mark and label the following:

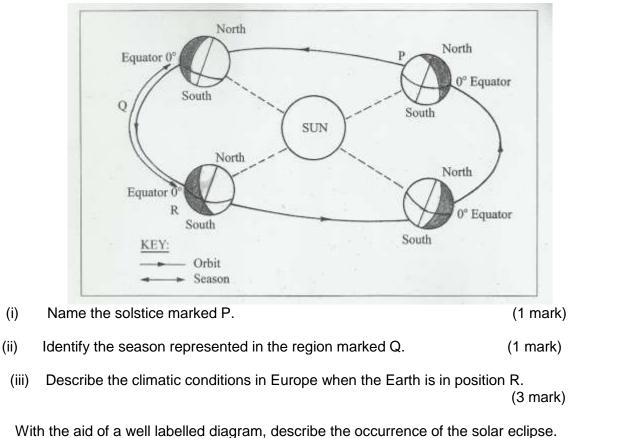
6

<ul> <li>footpath;</li> </ul>	(1 mark)
• road	(1 mark)
<ul> <li>water pipeline; .</li> </ul>	(1 mark)
• steep slope	(1 mark)

- (iii) Calculate the vertical exaggeration of the cross-section. (2 marks)
- (c) Citing evidence from the map, give **three** economic activities carried out in the area covered by the map. (6 marks)
- (d) Explain how relief has influenced the distribution of settlement in the area covered by the map. (4 marks)
- 7 (a) (i) Describe the solar system. (2 marks)
  - (ii) The local time at Manaul 60°W is 11.30 a.m. What is the time in Nairobi 37°E? (3 marks)
  - (b) (i) State **five** characteristics of the mantle in the interior structure of the earth.

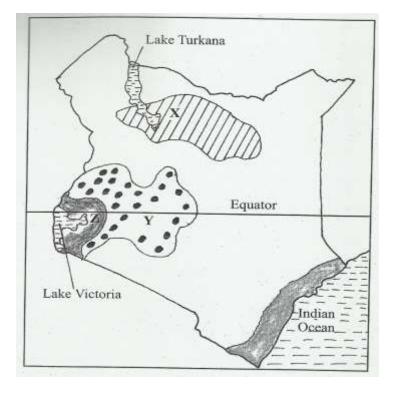
(5 marks)

- (ii) Outline the evidence which support the theory of continental drift. (4 marks)
- (c) The diagram below represents the revolution of the earth.



8. The map **below** shows some climatic regions of Kenya. Use it to answer question (a).

(6 marks)



(d)

(a) (i)	I	Name the climatic regions marked X and Y.	(2 marks)
(ii	i)	State <b>three</b> characteristics of the climatic regio	n marked Z. (3 marks)
(b) Ex (i)	•	how each of the following factors influence clir ltitude;	nate: (4 marks)
(ii	i)	Ocean currents.	(4 marks)
(c) Wł	nat a	e the negative effects of climate change on ph	ysical environment? (6 marks)
(d) Stu	uden	s visited a weather station to study recording c	f weather elements.
(i)		tate three qualities in the construction of a Steverserved during the study.	venson screen they would have (3 marks)
(ii)	lo	entify <b>three</b> types of data they are likely to hav	e collected during the study.(3 marks)
9	(a)	(i) Name <b>two</b> types of submerged highla	ind coasts. (2 marks)
		(ii) Identify <b>two</b> resultant features of subm	erged highland coasts. (2 marks)
	(b)	State three factors influencing deposition b	by ocean waves (3 marks)
	(c)	With the aid of labelled diagrams describe (i) Fringing reef;	the formation of the following coastal features: (5 marks)
		(ii) Spit.	(5 marks)
(0	d)	Explain the significance of oceans to human a	ctivities. (8 marks)
10	(a)	(i) Name <b>two</b> mountains in East Africa w	hich are ice capped. (2 marks).
		(ii) Identify <b>three</b> ways in which ice moves	s. (3 marks)
	(b)	Describe the formation of the following glaci (i) Hanging valley;	al features: . (6 marks)
		(ii) Pyramidal peak.	(6 marks)
(0	c)	You are required to carry out a field study on e	erosional features in glaciated lowland area.

(i) Give **two** reasons why you would require a working schedule. (2 marks)

- (ii) Name three erosional features you are likely to observe during the field study.(3 marks)
- (iii) Give three follow-up activities you would undertake after the field study. (3 marks)

### EN 19494

312/2 GEOGRAPHY Paper 2 Oct./Nov. 2014 2% hours



014029



THE KENYA NATIONAL EXAMINATIONS COUNCIL Kenya Certificate of Secondary Education GEOGRAPHY Paper 2 2<sup>3</sup>/<sub>4</sub> hours

### Instructions to candidates

- (a) This paper has two sections; A and B.
- (b) Answer all the questions in section A.
- (c) Answer question 6 and any other two questions from section B.
- (d) All answers must be written in the answer booklet provided.
- (e) This paper consists of 7 printed pages.
- (f) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (g) Candidates should answer the questions in English.

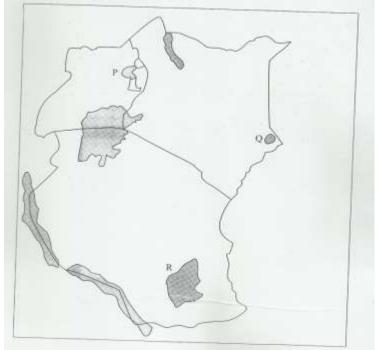
© 2014 The Kenya National Examinations Council

### SECTION A: (25 marks)

Answer all the questions in this section.

1.	(a)	Give two uses of diamond.	(2 marks)
	(b)	Identify three problems facing diamond mining in South Africa.	(3 marks)
2.	(a)	Apart from coniferous forests, name two other types of natural forests.	(2 marks)

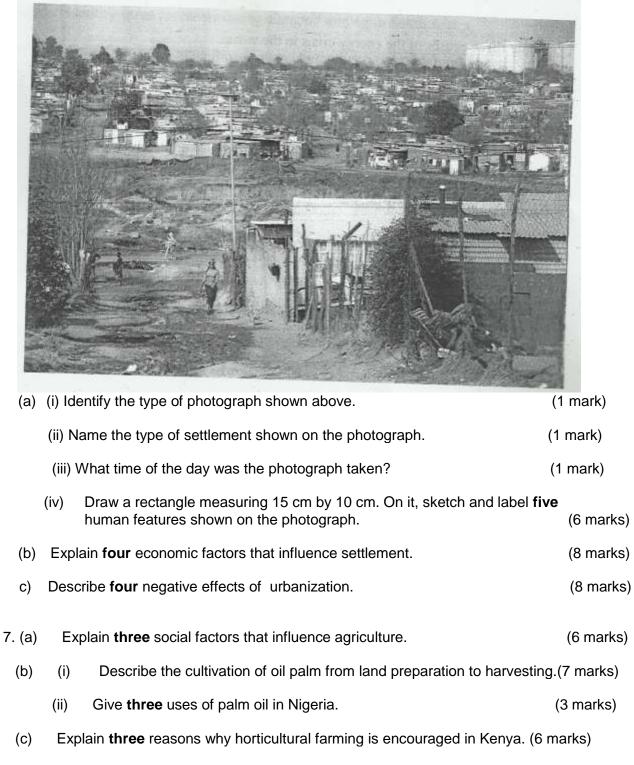
- (b) State **three** characteristics of coniferous forests which favour their exploitation.(3 marks)
- 3. Use the map of East Africa below to answer question (a).



- (a) Name the game reserves marked **P. Q** and **R**. (3 marks)
- (b) State **two** factors which influence the distribution of wildlife in East Africa. (2 marks)
- 4. (a) Give two reasons why Geothermal power has not been fully exploited in Kenya.(2 marks)
  - (b) State three causes of the energy crisis in the world. (3 marks)
- 5. (a) Identify the **two** types of internal trade. (2 marks)
  - (b) Give **three** factors that limit trade among the member states of the common market for Eastern and Southern Africa (COMESA). (3 marks)

### **SECTION B: (75 marks)** Answer question 6 and any other **two** questions in this section.

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



(d) Give three factors which favours beef farming in the Nyika plateau. (3 marks)

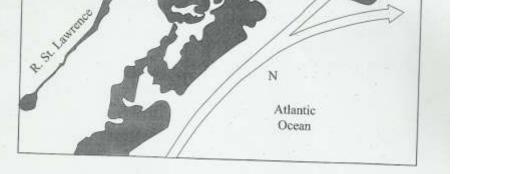
- 8. (a) Explain **four** ways in which land is being rehabilitated in Kenya. (8 marks)
  - (b) (i) State two ways in which the salinity of the polders is reduced in The Netherlands. (2 marks)
    - (ii) Explain **four** ways in which the Zuyder Zee project benefits The Netherlands.

(8 marks)

- (c) You intend to carry out a field study on irrigation farming in Mwea Tebere Irrigation Scheme:
- (i) Identify the two types of hypotheses you would develop for the study.
  (ii) Name three crops, grown in the scheme that you are likely to identify.
  (iii) Give two reasons why you need to sample the area of study.
  (2 marks)
  (2 marks)
  (2 marks)
  (2 marks)
  (2 marks)
  (2 marks)
  - (b) Explain two ways in which each of the following factors negatively affects fishing in Kenya.
     (i) Agricultural activities. (4 marks)

M

- (ii) Water weeds. (4 marks)
- (c) Use the map of North-West Atlantic fishing ground to answer questions (c)(ii) and (iii).



- (i) Give three types of fish species caught in the North-West Atlantic fishing ground. (3 marks)
- (ii) Name the Ocean currents marked **M** and **N**.

Canada

(iii) Explain **two** ways in which the convergence of Ocean currents marked **M** and **N** influence fishing. (4 marks)

(2 marks)

(d)	G	Give <b>three</b> differences between fishing in Kenya and Japan.	(6 marks)
10 (a)	Wha	at is environmental management?	(2 marks)
(b) (	(i)	Explain <b>four</b> negative effects of floods.	(8 marks)
(	(ii)	State two measures being taken to control lightning.	(2 marks)
(c) E	Expla	ain the significance of conserving the environment.	(8 marks)
(d) \	Your (i)	Geography class carried out a field work on floods along a river. Name <b>two</b> types of field work they could have used.	(2 marks)
	(ii)	Give three advantages of studying floods through field work.	(3 marks)

PAPER 1 MARKING SCHEME OCT/NOV2014

> KENYA NATIONAL EXAMINATION COUNCIL Kenya certificate of secondary education

## GEOGRAPHY

# Paper 1

MARKING SCHEME (CONFIDENTIAL)

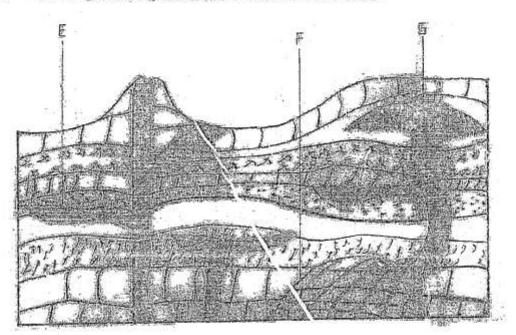
THIS MARKING SCHEME IS THE PROPERTY OF KENYA NATIONAL EXAMINATION COUNCIL AND IT MUST BE RETURNED TO THE KENYA NATIONAL EXAMINATION COUNCIL AT THE END OF THE MARKING.

- 1. Name two types of hypabyssal rocks.
  - Dolerite
  - Porphyry
  - Diabase
  - Lamprophyre
  - Porphyrite. -
  - granopine

2 Any 2-x-1-= 2-marks)

2.

(a) The diagram below shows intrusive volcunic features.



Name the features marked EFF and G.

E - A sill F - A batholic Batholia G - A laccolith | Bacoolia.

(State Link)

Name two active volcanoes in Kenya. (b)

- Longonot
- Teleki
- Likaiyo/Likaiu

- Suswa

- Nichengal
- 211:27 2-04.

. Ал<del>у 2 × 1 = (2 marks</del>)

- (a) Give three processes in the hydrological cycle.
  - Evaporation/evaporranspiration / 2056 Str
  - Condensation / weist cur cooling
  - Infiltration/ percolation.
  - Surface runoff overland flow
  - Precipitation
- State four factors that facilitate deposition in rivers. (b)
  - /- Reduction in river gradient, which decreases the velocity of water.
  - Freezing of river water leads to embedments of the load in the ice.
  - River entering a large/water body reduces the speed of the river flow.
  - /- Presence of obstacles on the river course which blocks some of the load.
  - / Reduction in river volume which reduces the strength of the river.
  - / Increase in width of the channel makes water to spread over wide area.
  - Licrose ite and sige of the load " Age 1x
  - \* Mark all it continuedly prose +
- Explain two reasons why wind is the dominant agent of erosion in arid areas. (a)
- At Barting

(a)

- The areas have scanty/ no vegetation which exposes the land to erosion.
- The areas experience strong tropical winds which erode the materials.
- The areas have dry unconsolidated soils/ materials which are easily eroded
- (1.000000) without explan
- (b) Identify two features formed as a result of wind deposition in and areas
  - longitudical dures, Sand dures / ceif du - er as werker tarvence d - Loess
    - drass/ draas
  - Describe podzolization as a process of leaching.
    - It occurs in areas with high rainfall and low temperatures food and (cool temperate regions//bumid temperate regions/conif tiper forest con areas.

ks

- Slow decomposition of vige pictors matter results in form 2 and of a
- Minerals such as calendaria and magnesical and ministration carbonates in the soil are dissolved and have blans teened from herein
- This leaves the soil extremely acidis humicrash greybreat microtomeres brown/red-vellow/white. Anv 4 x 3/2 = max 2
- State three ways in which mulching helps in soil conservation. (b)
  - Plant materials used decompose increasing soil humus.
    - It protects the soil against erosion.
    - It helps to increase infiltration rate of water into the soil
    - It helps reduce water loss from the soil / te tarts soil we as ture - 5 cl curchilder.

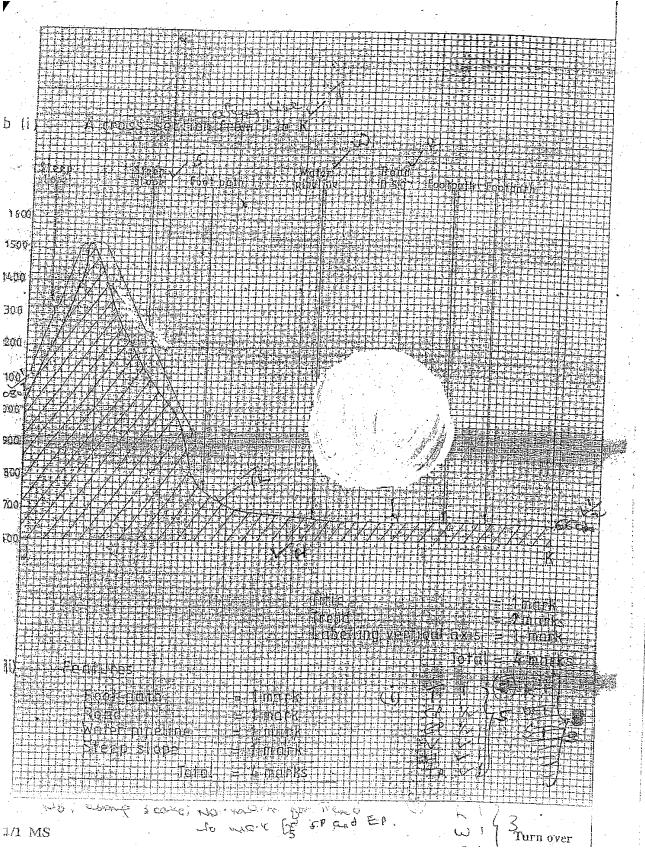
## SECTION B

Study the map of Migwani (1:50 000) sheet 151/1 provided and answer the following 6.

(a)	(i)	Give the longitudinal extent of the area covered by the map.		
	Ý	3801 F 20 10 F / 20 1 1		
$\overline{M} =$		12'± 20" (1'30'- 12'20")	0 2	
	(ii)	$\frac{12' \pm 30''}{20'' \pm 30''} = \frac{130' \pm 12'20''}{12' \pm 30''}$ What is the magnetic variation of the map?	(-z-marks)	
187		2024 2 23	C.	
2	(iii)	Give the six figure grid reference for the junction of the roads D503		31
	11	licent user sti	and D507.	
	V	119707/119702		100
-	2000		( <del>2-maths</del> )	
(b)	(i)	Using a vertical scale of 1 cm to represent 100 metros, draw a cros along the line marked J - K.	2_ is section	
			5 g #** 0	
	(ii)	On it mark and label the following:	na 1955 - 18	
		- footpath		
		- road	(1 mark)	
		- water pipeline	(1 mark)	
		- steep slope	(1 mark)	
			(1 mark)	
		Features		
		Feetpath		
		Road	(1 mark)	
	55	Water pipeline	(I mark)	
		Steep slope	(1 mark)	
			(1 mark)	
	- O.C		( . mark)	

÷

s s



(iii) Calculate the vertical exaggeration of the cross section

$$V = \frac{V}{HS} = \frac{1}{10,000} \times \frac{50,000}{1}$$
  

$$= \frac{1}{10,000} \times \frac{50,000}{1}$$
  

$$= 5 \checkmark$$
NME tentessition second from the map, give three connection of the first second from the map.  
(c) Citing evidence from the map, give three connection of the first second for the map.  
• Transfort's evidenced by presence of many read. First second for the second for the map.  
• Transfort's evidenced by presence of many read. First second for the second for the map.  
• Transfort's evidenced by presence of many read. First second for the second for the second for the map.  
• Transfort's evidenced by presence of many read. First second for the map.  
• Transfort's evidenced by presence of many read. First second for the map.  
• There are many second and the second for the second

Time in Nairobi = 1130 +628-1758.hrs.or 5.58 pm-

(b) (i) State five characteristics of the mantle in the interior structure of the earth.

- The mantle is divided into two parts mainly the upper mantle and the lower mantle.

- It is about 2900 km thick."

- The average density is between 3.0 - 4:0 gm/cm3

- The upper mantle has a lower temperature than the lower mantle / 1000 C-

3 JOSE C

(5 marks)

- The upper mantle is in semi-solid state: viscous fluid

The lower mantle is composed of rocks in liquid state.

- The dominant minerals are iron and magnesium ! ferro weg wes we cil with Olivine

5 (ii) Outline the evidence which support the theory of continental drift: Palagozophog p Tpalger 1 to logical endere 100 former

- The fossils of plants/ animals found in Africa are also in other continents.

- Adjacent continents have similar coastlines. Kach a tor

There exists similarity in animal species/ plant species in the continents.

Similar climate occurs along the same labarde in different gentinents. Southentscontheits seem to have experienced large state glacration statle Recent volcanic eruption in mid-Atlantic ridges fill the gaps left by drifting

continents.

- cho locat are trend of foids / fe - Relaconagnation / we alignment of the inmilerals in the guesing backs alon magnatil fielde to take toget the must have been ance togedar : - Geological endence lenderce of rock & tich are similar in their bouten I sund have I type age along magin & differente contribe Csedning an ocea 9

## Time in Nairobi = 1130 +6281758.hrs.or 5.58 pm-

(b)

(i)

State five characteristics of the mantle in the interior structure of the earth.

3

3 300E C

marks)

5

- The mantle is divided into two parts mainly/the upper mantle and the lower mantle.

- It is about 2900 km thick."

The average density is between 3.0 - 4=0 gm/cm

- The upper mantle has a lower temperature than the lower mantle./ 1000 C-

- The upper mantle is in semi-solid state. Viscous fund

The lower mantle is composed of rocks in liquid state.

- The dominant minerals are iron and magnesium. ferro wegnes. .... Olivine.

Outline the evidence which support the theory of continental drift. (ii)

- The fossils of plants/ animals found in Africa are also in other continents.

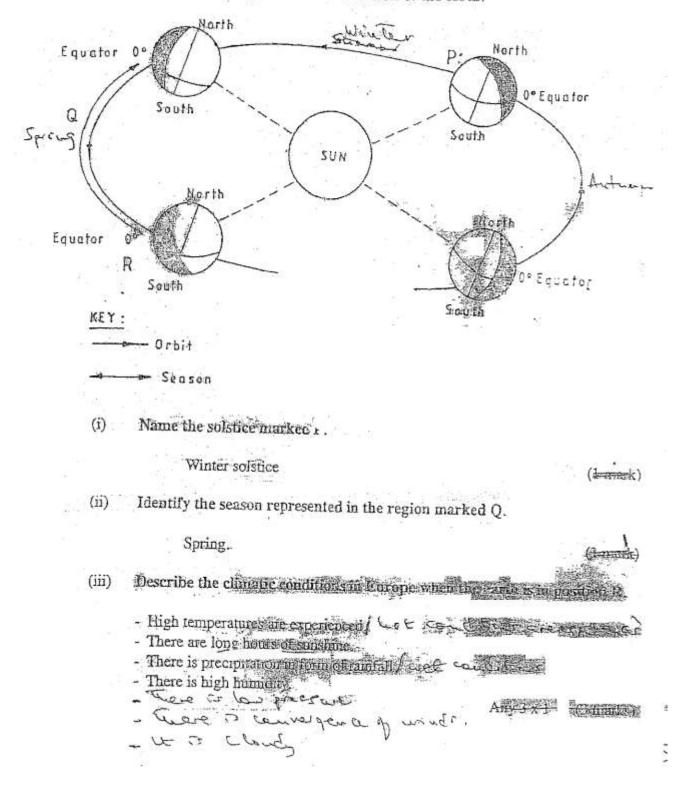
- Adjacent continents have similar coasilines. Kar were wergig

- There exists similarity in animal species/ plant species in the continents. Similar climate occurs along the same labitude in different continents.

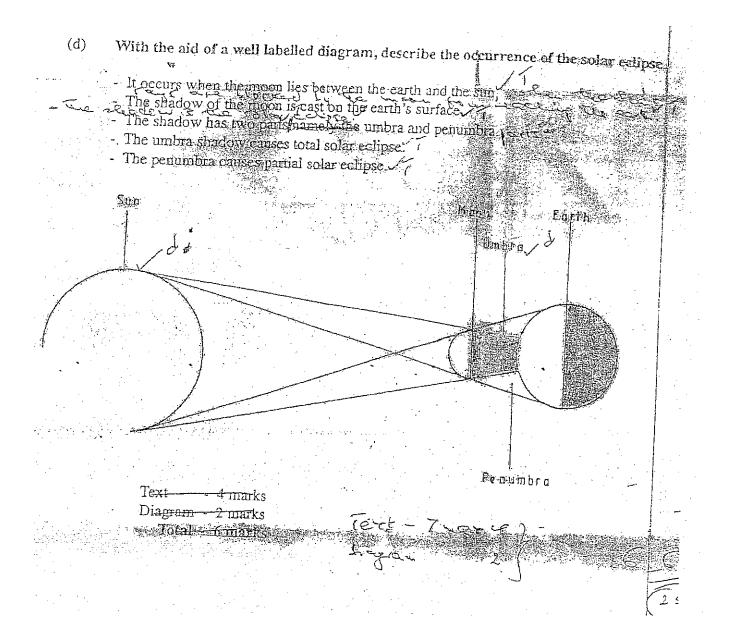
Southern comprents seem to have experienced large scale elactabolication same period / verence of an erent glacia de force. e-Recent volcanic eruption in mid-Atlantic ridges fill the gaps left by drifting

continents.

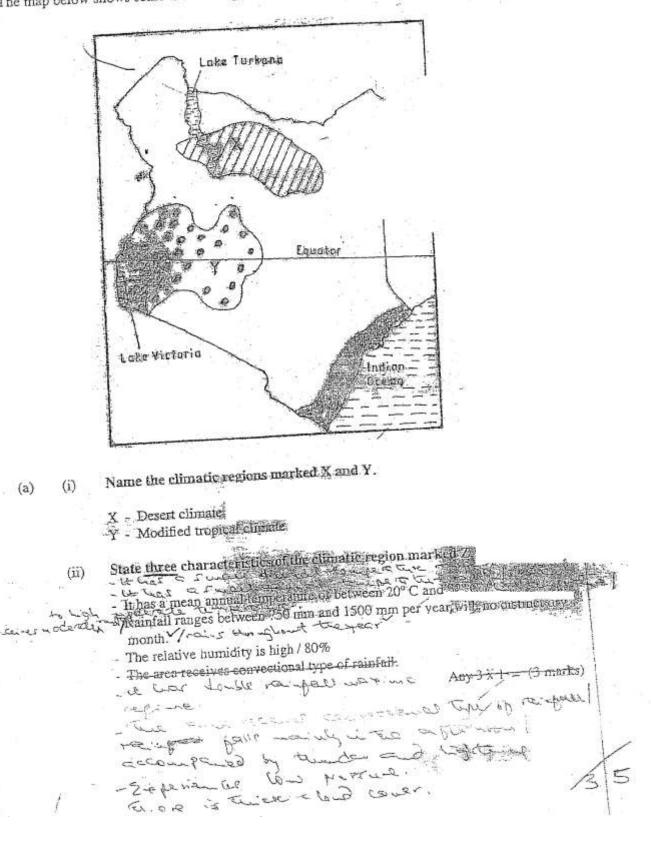
e trend of prost fe - Relacomaquetion / mento ng tock's alo - ceretrin ave fielde to ieter equelic tall - The of have been ance together : - Geological endence les rience of rock r thick are similar in their for the lither lither lither are similar in lesi wargin & dibbereite can't age along. Csharing an ocea 9 The diagram below represents the revolution of the earth.



(c)



The map below shows some climatic regions of Kenya. Use it to answer question (a).



Explain how each of the following factors influence climate. (b)

### (i) Altitude:

- Temperature decreases with increasing height above scallevel/ decreases at 0.6° O forevery 100 metris rise befanni the heat los, is proster at higher antible than losses allottee the second of the heat loss is proster at higher than the second of the second o

out renter "Aunospheric pressure is higher at low altrude and lower at high altitude. This is because the weight of atmospheric air at low altitude is more than at high altinde.

- The temperature is higher at low altitude because the sir is heated from below and not directly from the sun. -marks) 5 3497 statements this store without E ] - cze 2

ation and not yrea yet so

### 'a currents

8 (c)

ishore winds blowing over a warm ocean current are warmed and upon eaching the coastland they cause a warming effect.

Onshore winds blowing over cold ocean currents are cooled and on reaching the

adjacent coastland they cause a cooling effect. Onshore winds blowing over warm ocean currents are warmed absorbing more water vapour and on reaching the adjacent coastland result to increased rainfally

and increased humidity Onshore winds blowing over cold ocean currents are coaled and condensed resulting to rain falling over the ocean and on reaching the adjacent coastland result to little or no rain/fog/mist (4 marks)

What are the negative effects of climate change on physical environment?

- Floorling of land/coast lands caused by increased temperature leads to melting of glaciers resulting to a rise in sea level/change in rainfall pattern/change in,
- seasonal pattern/change in winds or air masses pattern. Drought caused by increased temperatures resulting to high evaporation/change
- in rainfall pattern/change in seasonal pattern. Disruption of natural ecosystems/loss of biodiversity/abnormal growth of plants
- caused by change in seasonal pattern/rainfall pattern/global warming/uppreased
- Drving up of water reservoirs (there by reducing their lifespan) may be caused by increased temperature "Cresulting" to high enterportion Charge
- · ¿Soil erosion by water due lo increase in rainfall/soil erosion by wind caused by
- High ocean/sea waves/sea storms due to change in wind/air masses pattern when

they blow more frequently and are more destructive (such as cyclones). Aay-3 x 2- (6-marks) 6-6-6-23J

Scove clance NB: The effect can

- Students visited a weather station to study recording of weather elements. (d)
  - State three qualities in the construction of a stevenson screen they would have (i) · observed during the study.
    - It is a wooden box.
    - It is raised on stilts/ placed on a stand, about 121 cm above the ground level.

ABY-3

3 marks)

TRATES

marks)

2

- It is painted white.
- It has a double roof.
- The sides are louvred to allow free circulation of air)

(ii)

(i)

- Identify three types of data they are likely to have collected during the study
  - Types of weather measuring/ recording instruments
  - Statistical data on previous weather records
  - Diagrams/ photographs on instruments.
  - Information on weather forecasting

(a)

(b)

9.

- Name two types of submerged highland coasts.
- Longitudinal/ Saluatia

a operation rob weat

- Ria

- Fiord /Fierd

Identify two resultant features of the emerged highland coasts (ii)

- -Recised geal blow hole
- Raised cliffs
- Raised wave cutablations,
- Raised beaches
- The artacec Lieucontentent

State three factors influencing deposition by ocean waves.

- The existence of gentle sloping shore.
- Presence of shallow water along the coastline.
- The occurrence of a strong swash and weak backwash Course
- The existence of indented coastline.

- cample longshove dift materials to be Any 3x1 = (3 marks) de pas, teo.

With the aid of labelled diagrams describe the formation of the following coastal features. 2) - (ii) -Fringing reef. 0 - It is formed when coral polyps start accumulating near the shore extending. seawards  $\frac{N}{N}$  . The rate of administration is fasted scawards than towards the slave, N . The accumulated materials form a tanging real M=) - The reef therefore becomes steeper seaward that towards the short a version and sharlow lapper guis an Fringing reet & Spa Jocaci. Shallow voter ~ ig cal NB: for the lagon to side, the realedan Text = 5 marks wast be shown. TImay 1 Diagram = 2 marks (Total = 5 marks)

- Depressions
- Crag and tail
- Ice eroded plain
- Roche montonee
- Give three follow-up activities you would undertake after the field st (iii)
  - Sketching the features.
  - Note making/ writing field reports.
- Asting & Answering questions/ quiz.

- Discussing the findings. - Discussing the findings. - Mounting samples/ display photographs. - Analy Stop date and ever - heading works about as inter-

PAPER 2 MARKING SCHEME OCT/NOV2014

> KENYA NATIONAL EXAMINATION COUNCIL Kenya certificate of secondary education

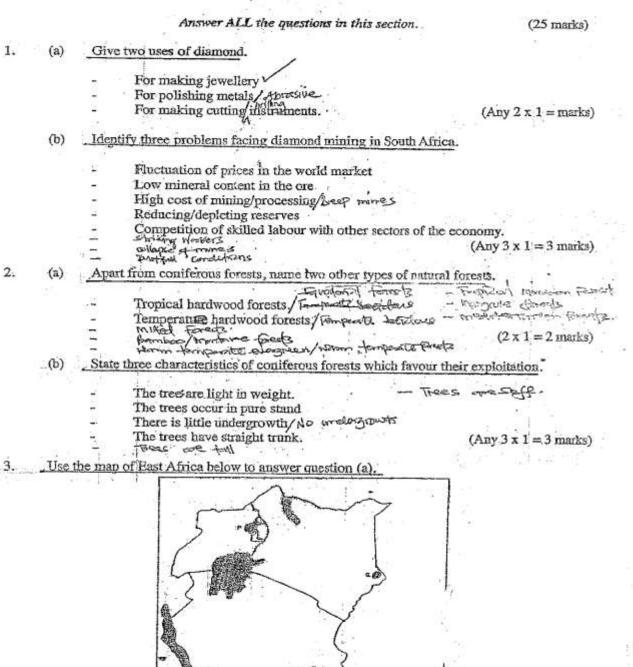
## GEOGRAPHY

# Paper 2

MARKING SCHEME (CONFIDENTIAL)

THIS MARKING SCHEME IS THE PROPERTY OF KENYA NATIONAL EXAMINATION COUNCIL AND IT MUST BE RETURNED TO THE KENYA NATIONAL EXAMINATION COUNCIL AT THE END OF THE MARKING.

### SECTION A



Name the game reserves marked P, G and R. \*(a)

р		Bokora	
Q		Boni	•
R	010	Selous	

 $(3 \times 1 = 3 \text{ marks})$ 

State two factors which influence the distribution of wildlife in East Africa. (b)

- Vegetation variation/distribution influences the type of wild animals/birds found in an area.
- Drainage of an area influences the distribution/population of different types of species of plants/animals/birds.
- Human activities conserve/destroy wildlife habitats/wildlife influencing the population/distribution.
- The soil of a place determines the plant life which influence wild animals/birds.
- The different types of climate influence the distribution/type of plants/animals/
  - fairly well ground-formed same animals/ sugged preasin de lawages This.
- change in a thitale badsate varation in variation tips/ inpos which anguls in with altitude awas mirchancel dupes here glack and a (2 x 1 = 2 marks)
- two reasons why the geothermal power has no been fully exploited in Kenya. Give
  - The country faces a shortage of capital/inadequate capital required for exploitation.
  - There is shortage of skilled personnel as the country relies on expatriates.
  - The country faces low level of technology which hinders exploitation of the energy.
- Most of the potential sites are found in remote/inaccessible areas which makes it difficult/expensive.

 $(2 \times 1 = 2 \text{ marks})$ 

#### State three causes of energy crisis in the world (b).

- There is a high demand for oil.
- There are embargoes/controls oil production by the oil producing countries. There is de-regulation of oil process by the suppliers.

- There is unequal natural pattern of crude oil occurrence.
- There is political instability/wars in some of the oil producing countries.

(Auy 3 x 1 = 3 marks)

- Identify the two types of internal trade (a)
  - Retail trade
  - Wholesale trade

 $(2 \ge 1 = 2 \text{ marks})$ 

4.

5.

(a)

Give three factors that limit trade among the member states of the Common Market for (b) Eastern and Southern Africa (COMESA). Poor infrastructure slows/delays movement of goods/services. Difference in tariffs/custom duties hinders trading activities. Difference in currency makes transactions difficult. Production of similar/duplication of goods limits trade. Different levels of industrial development creates imbalance in trade. Movement barriers limit free movement of people/goods/services. (Any 3 x 1 = 3 marks) Different political idealogies. political instability insecurity / and wars SECTION B Answer question 6 and other TWO questions from this section. Study the photograph below and use it to answer question (a). 6. Identify the type of photograph shown above. (i) (a) Ground general view/Grisurd oblique Name the type of settlement shown on the photograph. (ii) Informal settlement/ whom I sturm . What time of the day was the photograph taken. (iii) Afternoon / mil-marming (1 mark) Draw a rectangle measuring 15 cm by 10 cm. On it, sketch and label five (iv) human features shown on the photograph. Flood light Flood light SKA Silos Telephone line Roa. House Tree FRALS Road House ferce Any File Enthers V

- Drawing a rectangle correctly Telephone Poets
- Roads

Kall

lines

(1 mark)

- Houses Silos/ Tanks
- Car
- quam
- Flood lights / stedienty plas / line Cloth
- Telephone line
- Fences

\*

Planted trees.

 $(Any 5 \times 1 = 5 \text{ marks})$ .

Total = 6 marks

- Explain four economic factors that influence settlement. (b)
  - Fishing/ water parts/ postelscals.
  - Mining attracts workers who settle near the mine fields.
  - Trade leads to development of market centres thereby attracting many people.
  - Industrialisation leads to creation of jobs hence encouraging many people to live gazels
  - Transportation results to accessibility of services/thus attracting more settlement.
  - Agriculture/leads to siting of collection centres hence development of urban centres/ New saylements.
  - Administration provides security thereby encouraging settlement.
  - to suspening namedel? particular temporanty (Any 4 x 2 = 8 marks)
- Describe four negative effects of urbanisation, (C).

  - Inadequate/housing leads to development of slums/shanties in urban centres.
  - There is traffic congestion in urban centres due to poorly planned roads/traffic 1 control systems) teauting a delegis. .
  - Unemployment in urban centres leads to high crime rate/ Prosthetten. \*
  - There is pollution in urban centres due in dumping of garbage/disposal of waste into drainage systems/noise from vehicles and industries/emission of smoke from vehicles and industries.

  - There is strain on social amenities in urban centres due to rapid population growth. 2
  - There are street families in the urban centres due to poverty.
    - authinal ension due to cosmopelutant (Any 4 x 2 = 8 marks)
  - Explain three social factors that influence agriculture.
    - Gender influences productivity as the produce will depend on effort of the gender involved.
    - Some religious beliefs determine the type of livestock farming since they discourage rearing of certain animals.
    - The culture of a people determines the type of crops grown/livestock kept in order to meet their dietary needs,
      - Land tenure system allows/limits individuals/communities to use the available land thus increasing/decreasing produce.
      - The interaction between people leads to adoption of new techniques in farming./New (Any 3 x 2 = 6 marks)

210

7.

(a)

- 4

(Ъ)	(i)	Describe the cultivation of oil palm from land preparation to harvesting.
	8205	The survey is prepared where the oil poles and are planted
		The nursery is prepared where the oil palm seeds are planted.
1	-	The land is cleared of vegetation bloughed
		The holes are dug with spacing of 9m x 9m.
	-	The seedling are transplanted from the nursery into the holes.
	2.	Weeding/spraying is done regularly to protect the plants against pests/disease.
	÷	The maturing trees flower/bear fruits after three years.
		The mature/ripe fruits are harvested using a curved knife/chise/ hork
		$(7 \times 1 = 7 \text{ marks})$
	(ii)	Give three uses of palm oil.
	(~)	
		As a cleansing agent in the tin industry Making Gordles Making wine - Making Connected Making managementation for - Westing Connected
	1	As a cleaning agent in the on intrasty Walsing Morrettes
		Making margarine/cooking fat - Used in Griechanony beington
	1	Making margarine cooking fat
		maning boup
		used one proved the (Any 3 x 1 = 3 marks)
	F	mul Ch (and
(c)	Expla	ain three reasons why horticultural farming is encouraged in Kenya.
0.10	-	
		To earn foreign exchange which help to improve the economy.
	100	To create employment which enables people earn income hence improve their
		living standards.
	-	To provide raw materials which support the development of related industries.
		To enable farmers with small pieces of land earn high income.
		To improve food supply in the country thereby ensuring food security.
	-	To divertify aphillion production and reduce (Any 3 x 2 = 6 marks)
	12	over reverse on few corrections monoge. Reason- he
(d)	Give	three factors which favours beef farming in the Nyika plateau.
	~	Bronnes of watering adatalityers (swamps 0
	- ÷	Presence of watering points/rivers/swamps, 4,2
		There are large tracks of flat land, with nathral grass.
	•	The local people who keep livestock as their occupation.
		The elimatic conditions of the area favour beef cattle keeping
	50 <del>0</del> 0	There are ranching schemes which control grazing/spreading of diseases/pests.
		$(Any 3 \times 1 = 3 marks)$
(a)	Evol	ain four ways in which land is being rehabilitated in Kenva.
1-2		
1-2		
(	-	By filling open pits/land scaping in order to be used for farming/settlement.
		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff Soil Speces
		By filling open pits/land scaping in order to be used for farming/settlement.
	- - -	By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff for a set of By planting trees on degraded land thereby protecting it against the agents of erosion.
1-2	-	By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff for a set of By planting trees on degraded land thereby protecting it against the agents of erosion.
	-	By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff Soul and the speed of surface runoff Soul and the speed of surface runoff. By planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water.
	-	By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff Soul Sources By planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water. By constructing dykes along river banks/dams across rivers in order to
		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff Soul Sources By planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water. By constructing dykes along river banks/dams across rivers in order to control floods.
		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff $\leq 0.1 \leq 0.0 \leq 0.0$ By planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water. By constructing dykes along river banks/dams across rivers in order to control floods.
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		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff for the spectrum of the sp
		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff Soul Sources By planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water. By constructing dykes along river banks/dams across rivers in order to control floods. By Applying manure on derelict land in order to restore its fertility. By irrigating semi-arid areas/during dry seasons in order to provide water required from crop growth.
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		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff foll $\infty$ by planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water. By constructing dykes along river banks/dams across rivers in order to control floods. By filling manure on derelict land in order to restore its fertility. By irrigating semi-arid areas/during dry seasons in order to provide water required from crop growth. Dual Relating to along the to restore for forward (Any 4 x 2 = 8 marks) holdway (cover $\infty$ for the plant of the top in formation)
		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runofff Soil Socian By planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water. By constructing dykes along river banks/dams across rivers in order to control floods. In Aller By Applying manure on derelict land in order to restore its fertility. By inigating seni-arid areas/during dry seasons in order to provide water required from crop growth. By allowing cover and to require feature (Any 4 x 2 = 8 marks) hubbling (cover angle along the define the require from posting provide the provide the require feature for the posting provide the provide the require feature for the posting
		By filling open pits/land scaping in order to be used for farming/settlement. By constructing terraces thereby reducing the speed of surface runoff foll $\infty$ by planting trees on degraded land thereby protecting it against the agents of erosion. By building gabions in order to hold/trap the soil carried by water. By constructing dykes along river banks/dams across rivers in order to control floods. By filling manure on derelict land in order to restore its fertility. By irrigating semi-arid areas/during dry seasons in order to provide water required from crop growth. Dual Relating to along the to restore for forward (Any 4 x 2 = 8 marks) holdway (cover $\infty$ for the plant of the top in formation)

(3) State two ways in which the salinity of the polders is reduced in the Netherlands. (i) Chemicals are applied to lower salts in the soils. Fresh water is flashed to the soils to remove/dilute the excess salts. Reeds are planted to use up the excess salts. Continue Funging of renter from the (Any 2 x 1 = 2 marks) Explain four ways in which the Zuyder Zee project benefits the Netherlands. (ii) Reclamation has increased the size of the land which is used for farming/ 2 settlement. The reclaimed land has increased agricultural output hence more food/ raw materials for industries / For oper-Damming created a freshwater lake thus improving the supply of water for domestic/industrial use/ Lowering salunty of the for It has led to employment of many people thus improving their standards of living. It has led to employment of many people thus improving their standards of living may s Roads have been constructed thus improving transportation. Reclamation has created sceneries that have become tourists attractions thereby earning foreign exchange. the contraction of the Chest Dyle Also contracted and the Chest Dyle (Any 4 x 2 = 8 marks)You intend to carry out a field study on irrigation farming in Mwea Tebere Irrigation (c) scheme. Identify the two types of hypothesis you would develop for the study. (i) Alternative/substantive/ -Null/Negative Questin for (2 x 1 = 2 marks) Name three crops grown in the scheme you are likely to identify. (ii) Rice mader melons Maize/Boby Coon - Onions Tomatoes arean grams Beans/2005 French Bams chellies. Vegetables Peas Ganana  $(3 \times 1 = 3 \text{ marks})$ Give reasons why you would sample the area of study, (iii) (2 marks) It is a cheaper to study portions of the scheme. It saves the amount of time spent on the study. I brings out the details of the area under study. It enables one to make generalised conclusion about the area under study.  $(2 \times 1 = 2 \text{ marks})$ (a) Define the term fishing. It is the extraction/exploitation of aquatic animals/fish.

(2 marks)

Explain two ways in which each of the following factors negatively affect fishing in Kenya.

#### Agricultural activities Ð

- 3	a .			
		<b>-</b>		Poor farming methods cause soil erosion thereby leading to siltation of
-	÷		`	the lakes/rivers which hinders the movement of fishing vessels/Date of
		-	;	Agro-chemicals used on farms were washed into the lakes/rivers thus
1	<del>,</del> #			polluting the water/kill fish/Eutrophilation
		-		Abstraction of water from the river/lakes for irrigation reduces the level
				of the water thereby limiting the types of fish species.

(Any  $2 \ge 2 = 4$  marks)

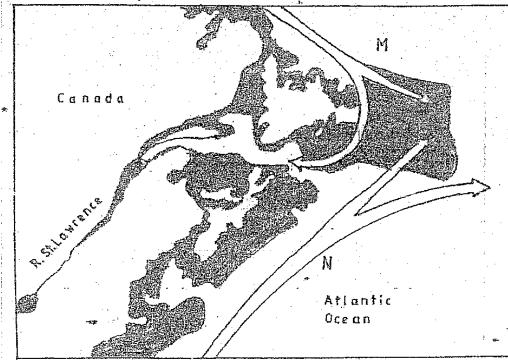
### (ii) Water weeds

		The growth of the weeds on the surface of the water harbours dangerous
	•	animal/predators thereby scaring away the fishermen.
<b>-</b> .		The weeds growing on the water form a thick barrier/insulate the water
		thereby hindering the amount of sunlight required for the growth of
		Planktons.

The weeds on the water choke the fishing vessels thus hindering their

movement/Carry antay nets. Needs Competers for coxigen with Esh (Any 2 x 2=4 marks) which tooks to dooth synthem.

Jse the map of North-West Atlantic fishing ground to answer question (c) (ii) and (iii).



	32	Andrewson and Andrewson and		
	(i)	Give three types of fish specie	is caught in the North-We	
		ground		(3 marks)
		<ul> <li>Herring</li> </ul>	-shota	a.
		- Cod	- Shall	Frah
		<ul> <li>Mackerel</li> </ul>	Fey	0
		- Haddock	- luno	· · .
		- Menhaden		
		- Lobseters		
		- Halibut		
		- Hake		
		- Flounder		
		- Servedines		ny 3 x 1 = 3 marks
		- Sale		1
	(ii)	Name the ocean currents mark	ced.	
		M - Cold Labrador current	0.000	(1 mark)
		그는 것 같은 것 같	c	
		N- Warm Gulf Stream Brit	urici	(1 mark)
	(ii)	Explain two ways in which the	e convergence of ocean cu	ments marked M and N
		influence fishing.		/ (4 marks)
		Constant and the second se		In thin word S
		- It causes upwelling of	water which increases sup	ply of oxygen/Planktons
		required for growth of	fish hence presence of alo	t of fish/many species of
		fish.		Ϋ́́́́́́́́́́́́́
			s the temperature of the o	cean water making it
			aging fishing throughout	
			s minerals which encourag	
		thus food for fish		6- 6
			s/temperatures thereby fa	vouring the growth of
			lishhance presence e	
		Fish species	municipi breasting to	(Any $2 \times 2 = 4$ marks)
(d)	Give	three differences between fishing	in Kenya and Japan.	
20			/Mechanization	D
	-	In Kenya there is low level of te	chnology/while in Japan t	here is advance/efficient
		technology/ Hechanizaton		The second s
		In Kenya fishing is done on sm	all scale while in Japan fi	shing is down on large
		scale.	11	
	-	In Kenya there is a small dome	stic/external market while	in Japan there is large
	1810	domestic/external market.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	-	In Kenya few people market th	eir fish through co-operati	ives while in Japan
	· · · · · ·	marketing is mainly done throu		
	÷	In Kenya fishing is mainly don	e near the continental shel	f/shallow sea waters Lak
20		while in Japan fishing it is main		
	-	In Kenya fishermen face stiff c		s while in Japan there
		is little competition from foreig	mers.	
		In Kierra ITEES are al	as varieties at	(Any $3 \times 2 = 6$ marks)
		William P. 30 h Totato Que.		
	<del></del>	In kenya tah enting	culture in limited	while in sufran is
		mideepread g		
		The Import that are		
			mitod recorden 1	Jule in Jugin !
		is confirment totom	A CONTRACTOR OF	