

GOLDEN ELITE EDUCATIONAL PUBLISHERS 0724351706

KCSE GEOGRAPHY MODEL EXAMS



KCSE PREDICTION 1

PA	PER 1	
1.	a) Name two forces responsible for the shape of the earth	(2mks)
	b) Give three effects of rotation of the earth	(3mks)
2.	a) What is a line of latitude	(2mks)
	b) state three characteristics of the inter-tropical convergence zone	(3mks)
3.	a) Define the term natural vegetation	(2mks)
	b) State three characteristics of mountain climates	3mks)
4.	a) State two characteristics of a river in its middle stage	(2mks)
	b)Outline three factors that influence the development of drainage patterns	
5.	State five factors that influence mass wasting	(5mks)
An	swer question 6 and any other two questions	
6.	Study the map of Kijabe (1:50000) provided and answer the following question	ons
a)	What is the approximate height of the top of Kijabe hill	(1mk)
ii)	Measure the length of Nairobi-Navaisha railway line from ladhies grid refer	rence 257987 to the level crossing
	near Kijabe station grid reference 308984) Give your answer in Kilometers	(2mks)
i)	What is the relief feature on the map which may have created problems in the	ne construction of the railway line
	(1m	-
b)	Describe the drainage of the area covered by the map	(5mks)
c)	Explain 2 ways in which relief has influenced the distribution of settlement (4mks)	in the area covered by the map
d)	Citing evidence from the map, state three social services offered in Kijabe a	rea (3mks)
e)	Suppose you were a student in the school at Kinale and you plan to carry ou	it a field of wakagwe forest
i)	State three reasons why it would be necessary to carry out a reconnaissance	(3mks)
ii)	Give three reasons why it would be necessary to sample part of the forest for	r the study (3mks)
iii)	Identify three problems that may be facing the forest	(3mks)
7.	a) What is a rock	(2mks)
b.	Name two examples of extrusive igneous rocks	(2mks)
ii)	Describe three ways in which sedimentary rocks are formed	(6mks)
C.	state four factors that influence the change of original rocks to metamorphic	
d.	you are planning to carry out a field study on the rocks within your school en	
i)	Give three secondary sources of information you would use to prepare for the	
ii)	State four activities you would carry out during the field study	(4mks)
-	Identify four problems you are likely to face during the study	(4mks)
8.	a)i)Name three types of faults	(3mks)
b.	ii) Apart from compressional forces, explain two other process that may caui) With the aid of a well labelled diagram, describe how a rift valley is formed (6mks)	
	ii) Explain three ways in which faulting may influence drainage	(6mks)
c.	Explain three ways in which faulting is of significance to human activities	(6mks)
9.	a) What are tides	(2mks)
ii)	Give three causes of ocean currents	(3mks)
ii)	Name the three ocean currents along the western coast of Africa	(3mks)
		-

1 Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

	b. Differentiate between a perigean and apogean tide	(2mks)	
	ii) State three characteristics of submerged lowland coasts	(3mks)	
	c. With the aid of a labelled diagram, describe the formation of a spit	(6mks)	
	d. State four conditions necessary for the growth of polyps	(4mks)	
	10. a) Define the term desert	(2mks)	
	ii) Name three types of deserts according to their nature of their surface	(3mks)	
	b. Explain the following methods of wind erosion processes		
	i) Deflation	(2mks)	
	ii) Abrasion	(2mks)	
	c. state three factors influencing wind transportation	(3mks)	
	ii) By use of a well labelled diagrams describe the formation of a rock pedestal	(7mks)	
	d. You are supposed to carry out a field study of a semi- arid area in Kenya		
1		(0, 1,)	

- i) State two ways through which you would prepare yourself of the field study (2mks)
- ii) What information would you collect through observation that would indicate that the area is turning into desert (2mks)

iii) State two measures you would recommend to put in place to control desertification in the area (2mks

PAPER 2

SECTION A

Answer all the questions in this section.	
12 Define wildlife	

1a. Define wildlife	(2mks)
b). State three reasons why wildlife should be conserved	(3mks)
2a). Define mining	(2mks)
b). Give three factors that may encourage mining	(3mks)
3a). What is beef farming	(2mks)
b). Outline three features of dairy farming in Denmark.	(3mks)
4a). Name two forest reserves in the Kenya highlands	(2mks)
b). State three physical factors favouring development of soft wood forest in Canada	(3mks)
5a). Give two provinces in Canada where wheat is grown	(2mks)
b). State three problems facing wheat farming in Canada	(3mks)
CECTION D	

SECTION B

Answer question 6 and any other two questions.

6. The table below shows the number of tourist who visited Kenya from various parts of the world in 2005 and 2006. **Use it to answer question (a) and (b) in 2005 and 2006.**

Place of Origin	No. of Tourist				
	2005	2006			
Europe	942,000	965,000			
Africa	120,000	154,000			
Asia	97,000	128,000			
North America	94,000	103,000			
Australia and Newzealand	19,000	24,000			
All other Countries	29,000	41,000			
Total	1,301,000	1,415,000			

a(i).Which continent had the highest increase in the number of tourists vising Kenya between 2005 and 2006 (2mks)

(ii). Ca	alculate	percentage increase of tourists from Australia and New Zealand between 20	005 and 2006
b(i). [Draw a d	(2mks) livided rectangle 15cm long to represent the number of tourists that visited	Kenya in 2006
		(10mks)	
(ii). St	tate two	advantages of using divided rectangle to represent a statistical data.	(2mks)
C(i). C	Give five	e reasons why domestic tourism is being encouraged in Kenya.	(5mks)
(ii). St	tate fou	r human factors favouring tourism in Switzerland.	(4mks)
7 a(i).	. Define	the term Fisheries	(2mks)
ii). Na	ame two	countries in Southern Africa that are important for marine fish production	(2mks)
b). Ex	plain fo	ur factors that favour fishing industry in Japan	(8mks)
c). De	scribe p	ourse seining as a method of fishing.	(6mks)
d(i). S	State fou	ir problems experienced in the marketing of fish in Kenya	(4mks)
(ii). St	tate thre	ee ways in which Kenya government is promoting fishing industry in the con (3mks)	intry
8a). S	tate thr e	ee physical condition that favour coffee growing in the central highland of K	enva
euj: e		(3mks)	
b). De	escribe s	tages involved in coffee production from picking to marketing	(8mks)
-		ur problems facing coffee farming in Brazil	(8mks)
		graphy class carried out a field study on a coffee farm.	(oniks)
		methods they used to collect data.	(4mks)
		ie field study the class collected data on quantities of coffee produced from t	
		wo methods the class may have used to represent the data. (2ml	
-		ir physical factors that influenced location of Mwea- Tebere irrigation schem	5
-		vo benefits of Perkerra irrigation scheme to the Kenyan economy.	(4mks)
		problems experienced in irrigation farming in Kenya	(5mks)
		the stages in reclamation of land from the sea in Netherlands	(6mks)
		ee uses of polder land in Netherlands	(3mks)
		t three benefits of Zuyder Zee project	(3mks)
		le plantation farming.	(2mks)
		o crops grown in plantations in Kenya highlands East of Rift Valley	(2mks)
		Four characteristics of plantation farming	(4mks)
		ee benefits of plantation farming in Kenya	(6mks)
		rom a school in Naivasha carried out a field study on a flower farm near thei	
		e farm activities they may have identified	(3mks)
		ee reasons why they needed a working schedule	(3mks)
		om flowers name two other crops grown in horticultural farming	(2mks)
	-	ee benefits of growing flowers in a green house.	
(11). 31		ee benefits of growing nowers in a green nouse.	(3mks)
KCS	E PREI	DICTION 2	
PAPI	ER 1.		
SECT	ΓΙΟΝ Α		
		uestions in this section.	
1.	a)	Explain the origin of the earth and the solar system according to the Neb	-
	1 \	X , , , , , , , , , , , , , , , , , , ,	(4mks)
	b)	Name two other theories that explain the origin of the earth and the solar	• •
		Nebula cloud theory.	(2mks)
2.	a)	List two zones of transition in the atmosphere.	(2mks)
	b)	Give three evidences that the interior of the earth is hotter.	(3mks)
3.	a)	Define the following terms.	· /
	,	i) River divide	(1mk)
		ii) A confluence	(1mk)
			(11111)
3 P a	age FC	OR MARKING SCHEMES INBOX MR CHEPKWONY ON 072	2 4 3 5 1 7 0 6

		iii)	A river profile (11	nk)
	b)		-	nks)
4.	,			nks)
5.				nks)
-			SECTION B: Answer questions <u>six</u> and any other <u>two</u> questions.)
6.	(a) S	study the	e map of Kijabe 1: 50,000 sheet 134/3 provided and answer the following	auestions
-			Give the approximate height of peak of Kijabe hill. (1mk)	1
	(ii) N		the length of the Naivasha –Nairobi railway line from landhies (Grid ref	257987) to
			ssing near Kijabe station (grid reference 308984). Give your answer in ki	
	Mete			(2mks)
			ne relief feature on the map that may have created problems during the co	· · · · ·
	. ,	ailway l		(1mk)
		•	the drainage of the area covered by the map extract.	(5mks)
			now relief has influenced the distribution of settlement in the area covered	
extra		1	(4n	
		Citing e	vidence from the map, state four economic activities carried out in the are	
		-	by the map extract.	(4 mks)
			e you were to carry out a field study at Wakangwe forest:	
			esign a working schedule that you would use during the day of the study.	(5mks)
	(ii) C		sons why it would be necessary to sample part of the forest for the study.	(2mks)
			o ways in which your findings would be useful to the local community.	(2mks)
7.	a)	i)	What is faulting?	(1mk)
		ii)	With the use of a well labeled diagram explain how a reverse fault occ	urs. (5mks)
		iii)	State two other types of faults apart from reverse faults.	(2mks)
	b)	Desc	ribe how a rift valley forms through tensional forces.	(4mks)
	c)	Expl	ain three ways in which features resulting from faulting are of economic	importance
	to m	an.	(6	mks)
	d)	You	intend to carry out a field study of the landforms around your school.	
		i)	State two hypotheses you are likely to formulate for the study.	(2mks)
		ii)	Apart from dividing your class into groups, in what three other ways v	vill you
			prepare for the study.	(3mks)
		ii)	In what two ways is dividing the class into groups important?	(2mks)
8.	a)	i)	Differentiate between intrazonal and azonal soils.	(2mks)
		ii)	Give three examples of a zonal soils	(3mks)
	b)	i)	Explain four factors that influence soil formation.	(8mks)
		ii)	Give two factors that determine the colour of soil	(2mks)
	c)	i)	What is soil erosion.	(2mks)
-		ii)	Explain four ways in which vegetation prevents soil erosion.	(8mks)
9	a)	i)	Name a country in Africa where temperate grassland is found.	(1mk)
	1 \	ii)	State four characteristics of temperate grasslands.	(4mks)
	b)	i) .	Explain four ways trees in the coniferous forests have adapted to the	(0.1.)
	``		onmental conditions of the region.	(8mks)
	c)		are required to carry a field study on a forest near your school. Describe t	
		•	would use to determine each of the following aspects of the trees in the fo	
		i)	Age of the trees.	(3mks)
		ii)	Height of the trees.	(3mks)
10	The	iii) fiana h	Tree species	(3mks)
10.	ine	ngure b	elow shows underground zones of saturation. Use it to answer question a	(1)



	a)	i)	Identify the zones marked a, b, and c.	((3mks)
		ii)	Name four sources of groundwater.	((4mks)
	b)	Explain	n four ways in which groundwater is of significance to human a	activities.	(8mks)
	c)	i)	Give two examples of lakes in East Africa that have formed du	e to crustal	
			warping.	((2mks)
		ii)	Describe how the process of crustal warping leads to formation	1 of lakes.	(5mks)
		iii)	State three other processes that lead to formation of lakes apar	t from crusta	1
			warping.	((3mks)
PAPE	R 2				
SEC	FION A	A (25 m	arks) Answer All the Questions in this Section		
1.	a) Defi	ne the t	erm mining.	(2 mar	ks)
2.	b) Stat	te three	forms in which minerals occur.	(3 mar	ks)
3.	a)	Disting	guish between forest and forestry.	(2 marl	ks)
	b)	Show t	three factors that influence the distribution of forests.	(3 marl	ks)
4.	a) Wha	it is hor	ticulture?	(2 mai	rks
	b) Give	e three	economic factors that influence agricultural activities.	(3 mai	rks)
5.	a) Nan	ne two p	places where limestone are found in Kenya.	(2 mar	rks) b) List
	three u	uses of s	soda ash. (3	marks)	
6.	a) Wha	nt is a de	ead ground?	(2 mar	ks) b)
	Mentic	on three	e uses of a photograph.	(3 ma	rks)

SECTION B (75 marks) Answer question 6 and any other two questions

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



(i)	Identify the type of photograph shown above.
-----	--

(a)

(b)

7.

(1 mark)

- Describe the characteristics of the forest shown on the photograph. (4 marks) (ii)
- Draw a rectangle measuring 15 cm by 10 cm. On it, sketch and label five main (iii) features shown on the photograph. (5 marks) (2 marks)

Name **two** indigenous softwood tree species in Kenya. (i)

- Explain three problems facing forestry in Kenya. (ii)
- State three factors favoring the development of softwood forests in Canada. (iii)

(6 marks)

Give four differences between softwood forests in Kenya and Canada. (4 marks) (c) Study the table below and answer the questions that follow

7.	Study	the table below and answer the quest	tions that follow	_
		Oil consumption in K	enya in the year 2010	
		Economic sector	Percentage of oil consumed	
		Agriculture	4	
		Aviation	21	
		Commercial and Industry	22	
		Power	7	
		Rail	6	
		Road	30	
		Shipping	6	
		Others	4	
		Total	100	
a)	i) Drav	w a simple pie chart to represent the in	formation above.	(6 marks)
b)	ii) Wh	at is the percentage of oil used in trans	sport in the year 2010?	(2 marks)
	/	ntion two demerits of using the metho	1	(2 marks)
c)		List three countries where oil is prod		(3 marks)
	ii)	Explain three contributions of oil in t	he economy of the countries in the N	
				(6 marks)
	·	ribe how petroleum oil is formed.		(6 marks)
		two wheat growing counties in Kenya we conditions favoring wheat farming		(2 marks)
b) c)		be wheat farming from planting to har		(5 marks) (8 marks)
d)		vo selling points of wheat in Kenya.	vesting stage.	(2 marks)
e)		re wheat farming in Kenya and Canad	a	(2 marks) (8 marks)
•)	compu			(0 1111 115)
9. a) I	Discuss	nomadic pastoralism in Kenya under	the following sub-headings	
,	i) The	cattle breeds kept	2 2	(2 marks)
	ii) The	pattern of movement		(2 marks)
	:::) M			(2
h		arketing of the animals e three reasons why nomadic pastoral	ists keen large heads of animals	(3 marks) (3 marks)
U		plain four measures taken by the gove		()
	11) LA	(8 marks)	infinite of iteriya to improve over ea	and mining.
c) Give f	our challenges facing nomadic pastor	alism in Kenya	(4 marks)
	·	three indigenous breeds of dairy cattle		(3 marks)
		erentiate between land reclamation an	•	(2 marks)
	ii) Ide	ntify three methods of land reclamation	n in Kenya	(3 marks)

⁽³ marks)

b) i.) State four physical factors that influenced the location of Mwea Tabere irrigation scheme (4marks) ii.) Explain four problems facing Mwea Tabere irrigation scheme (8 marks) c) i.) Outline the stages that were involved in the reclamation of land from the sea in Netherlands (5marks) ii.) State three benefits of the of irrigation farming in Kenya (3 marks)

KCSE PREDICTION 3

PAPER 1

2. a)

The diagram below shows a six's thermometer. 1.



a) Name the parts marked P, Q and R.

b) The table below represents the rainfall and temperatures data of station X.

Month	J	F	М	А	М	J	J	Α	S	0	Ν	D	
Temp °C	28.9	29.7	30.3	29.9	29.7	29.2	28.4	1 28.′	7 29.	6 30.	1 29.	2 28.	7
Rainfall													
mm	9.0	8.0	21.0	49.0	25.0	9.0	20.0	10.0	4.0	10.0	17.0	11.0	
What is the	annual	rang	e of te	emper	ature	?							(1 mark)
C-11-4-4	ne total	l raint	fall of	the s	tation	1							(1 mark
Calculate tl		I I allill		the 5	lation	•							

b) Give three examples of chemically formed sedimentary rocks. (3 marks)

3. The diagram below shows erosional features of the waves at the coast. Use it to answer question



7 Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

(3 marks)

(a) Identify the features marked F and G .	(2 marks)
(b) Give three submerged upland coasts	(3 marks)
4(a) Describe how lava-dammed lake are formed.	(3 mrks)
(b) State two ways in which lakes influence the climate of the surrounding areas.	(2mrks)
5(a) Distinguish between soil profile and soil catena	(2 marks)
(b) Give three soil forming processes.	(3 mark)
SECTION B	
Answer question 6 and any other two questions from this section	
6. Study the map of Kijabe 1:50000(sheet 134/3) provided and answer the follow	ving questions.
a) i) State the title of the map	(2 marks)
ii) Convert the ratio scale into statement scale	(2mks)
iii) Identify the physical features found on grid source 4293b) i) What is the bearing of the cattle dip at Ewaso Kedong valley from grid reference	erence 3193 (2 marks)
ii) What is the exact height of Kijabe hill at grid 2699.	(2 marks)
iii) Explain three factors that influence settlement in the area covered by the iv) Name two methods used to show relief.	map (6mks) (2 marks
c) Describe relief of the area covered by the map	(5 marks
d) Field study was carried out in Kijabe .i)State two types of vegetation the researchers identified.	(2 marks)
ii) State two challenges they encountered.	(2 marks)
7. (a) (i) What is folding?	(2 Marks)
(ii) Name three fold mountains formed during Caledonian Orogeny.	(3 Marks)
(b) State four characteristics of folded landscape.	(4 Marks)
(c) The diagram below shows a type of fold.	



a). i). Name the featured marked X, V and W.

(3 mrks)

9 Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

ii). Describe how the feature marked Y is formed	(6 mrks)
b). i). What is an artesian basin?	(2 mrks)
ii). Explain three factors which influence the formation of features in limesto	one areas (6mrks)
c). You are supposed to carry out a field study of an area eroded by water.	
i). Give three reasons why you would need a map of the area of study	(2 mrks)
ii). Name two erosion features you are likely to identify during the field stud	y (2 mrks)
10. a i) Define the term glaciation.	(2 mrks)
ii) Name three types of glaciers.	(3 mrks)
b) Describe how the following features found in upland glaciated landscape are f	formed.
i) U-shaped valley	(5 mrks)
ii) Pyramidal peak	(5 mrks)
c) Explain three significances of upland glaciated features to human activities.	(6 mrks)
d) Suppose you were to carry out a field study of glaciated lowland.	
i) State two advantages of using oral interview to collect information during the ii) Name two features found in glaciated lowland that you are likely to study.	field study. (2mrks (2 mrks)
Paper 2 SECTION A Answer all the questions in this section	
 a) Name two exotic species of trees planted in Kenya (2 mks) b) State three reasons why it is necessary to carry out afforestation programs in 	Kenya (3 mks)
 a) Name two water canals found in Africa. (2mks) b) b) Give three roles of transport on industry. (3mks) 3. 	
(a) State three measures which the government of Kenya has taken to reduce in	nfant mortality 2 marks)
(a) Give any two minerals found in the Rhur region of Germany.	2mks) 3mks)
 (a) List two factors influencing trade (2 marks) (b) Identify THREE major imports to Kenya. (3 marks) 	
10 Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON	0724351706

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

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



а	1) Identify the type of photograph above.	lmk)
	ii) Give two reasons for your answer above.	(2mks)
	iii) Draw a rectangle measuring 8cm by 6cm. on it, mark and	d label the main features. (4mks)
b	i) Name two types of coffee grown in Kenya.	(2mks)
	ii) Name three counties in Western Kenya where coffee is g	rown. (3mks)
	iii.)Give three conditions favoring coffee growing in Kenya	(3marks)
с	i) State three problems facing coffee farmers in Kenya.	(3mks)
	ii) Identify three ways in which the government has attempt	ed to promote coffee farmers in Kenya.
	(3mks)	
d Exp	blain two reasons why coffee production is more developed in	Brazil than in Kenya. (4mks)
7. a) 4	Apart from the sun, name <i>three</i> other sources of energy (3Mar	ks)
ii) Sta	ate <i>four</i> advantages of using solar energy (4Marks)	
,	ve <i>four</i> ways in which Kenya has benefited from hydroelectric	-
	plain <i>five</i> factors favouring development of Hydroelectric pow	ver projects (10Marks)
d) Ex	plain <i>two</i> impacts of energy crisis in the society. (4Marks)	
8a)i.)	Define the term land reclamation.	(2mks)
	ii) State three ways through which land can be rehabilitated	in Kenya.(3mks)
	b) A part from Mwea Tebere, identify any three irrigation s	chemes in Kenya. (3mks)
	ii) Explain three physical factors that influenced the location	n of Mwea Tebere irrigation scheme. (6mks)
	c) Give three problems facing Mwea Tebere irrigation scheme	ne. (3mks)
	d) Identify two benefits of Zuyder Zee project in Netherland	s (2mks)
	i) Explain three similarities between land reclamation i	n Kenya and Netherlands.
		(6mks)

11 | Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706



12 Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

SECTION B:

a)

Answer question 6 and any other two questions.

- 6. Study the map of Kijabe 1 : 50,000 (sheet 134/3) provided and answer the following questions.
 - Give the longitudinal extent of the area covered by the map. i)
 - ii) Identify the two human made features found at grid square 3301 (2mks)

(2mks)

iii) what is the bearing of the cattle dip at Ewaso kedong valley from grid reference 3195(2mrks

b) i) calculate the area covered by thicket vegetation in the area covered by the map (3mks)

ii) measure the length of all weather road bound surface C68 and give your answer in km. (2 maks)

c) i) Give three evidences showing that the area receives high rainfall (3marks)

ii) Citing evidence from the map, identify three economic activities practiced in the area covered by the map (6maks) (5mks)

d) Describe the drainage of the area covered by the map. 7.

- a) State two factors which influence the occurrence of underground water (2mks) (2mks)
 - b) Differentiate between a well and spring.
 - The diagram below represent an artesian basin. Use it to answer question C (i) and (ii). c)



i)	Name the parts marked A, B, C	(3mks)
----	-------------------------------	--------

Identify the process marked D. ii)

iii) State three factors which favour the location of an artesian well

- Apart from stalagmites name three other underground features formed in limestone areas. d) i) (3mks)
 - ii) With the aid of a diagram describe how a stalagmite is formed (6mks)

(1mk)

(3mks)

- State three reasons why there are few settlements in Karst Landscapes. i) (3mks) e)
 - ii) Name two surface features found in limestone areas. (2mks)

8.(a) With the aid of well labelled diagrams describe the processes involved in the formation of a corrie lake. (8mks

- (b) Explain four ways in which a glaciated landscape is of significance to human activities. (8mks
- (c) Explain three conditions that may lead to glacial deposition in lowlands. (3mks)
- (d) Suppose students were to carry out a field study on glaciation on Mt.Kenya
- (i) Name two types of morains they are likely to study. (2mks)
- (ii) State two problems they are likely to experience during the field study. (2mks)
- (iii) Why was it important for the learners to conduct a pre-visit (2mks)
- 9. Describe podzolization as a process of leaching.(4mks) a)

13 | Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

	b)	State three ways in which mulching helps in soil conservation					
	c) Explain how the following factors influences the formation of soils.						
			(4m				
			(4mks				
	d)	i) What is soil catena? (2mks)					
		ii) Draw a well labelled diagram to show a well – devel					
	e)	1 6	(5mks)				
10.	i)		(2mks)				
	ii)	V 1	(2mks)				
	iii)	Use the diagram below to answer the question that follows:-					
		17 1d					
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		AFFI HATH P					
		r kiel III III					
		1 5 1 1 1 1 1					
- &		17 51 51 51 31	and development.				
the second second star free line		TAN TAN XXX	a transformation and the second se				
	lal-	the second secon					
	a)	Name the features marked M, N and P	(3mks)				
	b)	With well labelled diagrams explain the formation of the Rit	ft valley through tensional forces.				
		(8mks					
	c)	Explain five positive effects of faulting.	(10mks)				
PAP							
	FION A						
		the questions in this section.					
1.	,	nat is Agroforestry?	(2 marks)				
		tline three exotic softwood tree species grown in Kenya.	(3 marks)				
2.		inguish between Land reclamation and Land rehabilitation.	(2 marks)				
	· ·	ntify three methods of Land reclamation used in Kenya.	(3 marks)				
	/	it is Eco-tourism.	(2 marks)				
		three benefits of Domestic tourism in Kenya.	(3 marks)				
4.	/	ne the term Trade.	(2 marks)				
-	· · ·	he three major imports of Kenya from the Middle East.	(3 marks)				
		t from road transport, give two other forms of Land transport.	(2 marks)				
	/	three advantages of road transport.	(3 marks)				
SEC	FION B	i					

6. (a) The photograph below shows some mining activities. Study and use it to answer the questions that follow.



(i) Identify the type of photograph.	(1 mark)
(ii) Give reasons for your answer in (i) above.	(3marks)
(iii)Draw a rectangle measuring 10cm by 12cm to represent the photograph.	(1 mark)
(iv) On it, mark and label four main features.	(4marks)
(v) State three negative effects of the mining method shown in the photograph	n to the physical environment.
(3marks)	
(b) (i) Name two gold mining areas in South Africa.	(2marks)
(i) Describe the process of gold processing.	(5marks)
(ii) Explain three economic benefits of petroleum to the oil producing countri	es in the Middle East region.
(6 marks)	
7. (a) (i) Define pastoral farming.	(2 marks)
(ii) Name three pastoral communities in Kenya.	(3 marks)
(b) (i) Identify two exotic beef cattle breeds kept in Kenya.	(2 marks)
(ii) Outline three characteristics of nomadic pastoralism.	(3 marks)
(c) (i) Explain three factors favouring beef farming in Kenya.	(6 marks)
(ii) State four similarities between beef farming in Kenya and Argentin	a.
(4 marks)	
(d) Your class carried a field study on tea processing.	
(i) Outline 3 stages of tea processing that the class may have observed	. (3 marks)
(ii) State two methods that the class may have used to present data.	(2 marks)

8. (a) The diagram below shows a fishing ground in the pacific ocean.





16 Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

	(i) Identify the dams labeled U and V.	(2 marks)
	(ii) Explain three physical factors that favored the establishment of the seven	()
	(6 marks)	
	(iii) State three benefits of the seven forks power scheme.	(3 marks)
(c)	(i) What is energy crisis?	(2 marks)
	(ii) Explain four effects of the energy crisis to the economies.	(8 marks)
10.	(a) (i) Define industrial decentralization.	(2 marks)
	(ii) State three causes of industrial inertia.	(3 marks)
(b)	Name three non-agricultural industries in Kenya.	(3 marks)
(c)	Explain four measures the government of Kenya is undertaking to pr	omote
. ,	Jua kali industry in Kenya.	(8 marks)
(d)	Study the map of Ruhr region below and use it to answer question (a).



(i) Identify

- the river marked A.
- the canal marked H.

(1 mark) (1 mark)

- the town marked Y. (1 mark)
 (ii) Explain three human factors that led to the growth of Ruhr industrial region. (6 marks)

KCSE PREDICTION 5 PAPER 1.

SECTION A

7.

Answer all questions in this section.

- Explain the origin of the earth and the solar system according to the Nebula cloud theory. 1. a) (4mks)
- Name two other theories that explain the origin of the earth and the solar system apart from the b) Nebula cloud theory. (2mks) List two zones of transition in the atmosphere

2.	a)	List two zones of transition in the atmosphere.	(2mks)
	b)	Give three evidences that the interior of the earth is hotter.	(3mks)
3.	a)	Define the following terms.	
		i) River divide	(1mk)
		ii) A confluence	(1mk)
		iii) A river profile	(1mk)
	b)	List three factors that influence the formation of a river.	(3mks)
4.	How	v is an oasis formed?	(4mks)
5.	List	four characteristics of Mediterranean climate.	(4mks)

SECTION B: Answer questions <u>six</u> and any other <u>two</u> questions.

6.	(a)	Study	the map	o of I	Kijabe	1: 50,00	0 sheet	134/3	provided	and	answer	the i	following	questions	

			approximate height of peak of Kijabe hill.	(1mk)
			the length of the Naivasha –Nairobi railway line from landhies (Grid ref 2:	
			ossing near Kijabe station (grid reference 308984). Give your answer in kilo	
	Mete	/		(2mks)
			he relief feature on the map that may have created problems during the cons	
	the ra	ailway I	ane.	(1mk)
	(b) D	escribe	e the drainage of the area covered by the map extract.	(5mks)
	(c) Ex	xplain h	now relief has influenced the distribution of settlement in the area covered b	v the
	(-)	-	extract.	(4mks)
	(d) Cit	ing evi	dence from the map, state four economic activities carried out in the area	
	C	overed	by the map extract.	(4 mks)
	(e) S	uppose	you were to carry out a field study at Wakangwe forest:	
	(i) D	esion a	working schedule that you would use during the day of the study.	(5mks)
			sons why it would be necessary to sample part of the forest for the study.	(2mks)
			vo ways in which your findings would be useful to the local community.	(2mks) (2mks)
7	``	•`		(1 1)
7.	a)	i)	What is faulting?	(1mk)
		ii)	With the use of a well labeled diagram explain how a reverse fault occur State two other types of faults areat from reverse faults	
	b)	iii) Dogo	State two other types of faults apart from reverse faults.	(2mks)
	b) c)		cribe how a rift valley forms through tensional forces. ain three ways in which features resulting from faulting are of economic in	(4mks)
	to ma	-	(6m	-
10			/ARKING SCHEMES INBOX MR CHEPKWONY ON 072435	,
TO	гаде І		MARKING SCHEIVIES INDUA IVIR CHEFRIVUNT UN U/2435	T / 0 0

	d)	You i i) ii)	intend to carry out a field study of the landforms around your school. State two hypotheses you are likely to formulate for the study. Apart from dividing your class into groups, in what three other ways we prepare for the study.	(2mks) ill you (3mks)
		ii)	In what two ways is dividing the class into groups important?	(2mks)
8.	a)	i)	Differentiate between intrazonal and azonal soils.	(2mks)
		ii)	Give three examples of a zonal soils	(3mks)
	b)	i)	Explain four factors that influence soil formation.	(8mks)
		ii)	Give two factors that determine the colour of soil	(2mks)
	c)	i)	What is soil erosion.	(2mks)
	,	ii)	Explain four ways in which vegetation prevents soil erosion.	(8mks)
9	a)	i)	Name a country in Africa where temperate grassland is found.	(1mk)
	<i>,</i>	ii)	State four characteristics of temperate grasslands.	(4mks)
	b)	i)	Explain four ways trees in the coniferous forests have adapted to the	· · · ·
	,	envir	onmental conditions of the region.	(8mks)
	c)	You	are required to carry a field study on a forest near your school. Describe the would use to determine each of the following aspects of the trees in the for	ne methods
		i)	Age of the trees.	(3mks)
		ii)	Height of the trees.	(3mks)
		iii)	Tree species	(3mks)

10. The figure below shows underground zones of saturation. Use it to answer question a (i)



a)	i)	Identify the zones marked a, b, and c.	(3mks)
	ii)	Name four sources of groundwater.	(4mks)
b)	Expla	ain four ways in which groundwater is of significance to human activities.	(8mks)
c)	i)	Give two examples of lakes in East Africa that have formed due to crusta	1
		warping.	(2mks)
	ii)	Describe how the process of crustal warping leads to formation of lakes.	(5mks)
	iii)	State three other processes that lead to formation of lakes apart from crus	stal
		warping.	(3mks)

PAPER 2 SECTION A

7.

8.

LCTION A	
1. a) What is human geography?	(2mks)
b) State three ways in which the study of geography contributes to the	economic
development of Kenya	(3mks)
2. a) Name the minerals mined in the following regions:	
Kerio Valley	(1mk)
Kariandusi	(1mk)
Lake Magadi	(1mk)
b) Give two ways in which minerals occur	(2mks)
3. a) List two physical factors that influence agriculture	(2mks)
b) State three benefits of plantation farming	(3mks)
4. a) Define settlement pattern	(2mks)
b) State three characteristics of Central Business District	(3mks)
5. State five factors which favour development of car and electronics in	dustry in
Japan	(5mks)
	•

<u>SECTION B:</u> Answer Q6 and any other two questions from this section.

6. The table below shows the value of some of Kenya's mineral exports from 215 to 2018. Use it to answer questions (a) and (b).

Year	2015	2016	2017	2018
Mineral				
Soda ash	13200	8300	7300	12400
Petroleum products	4200	4500	4700	6100
Cement	7300	7800	7400	8900

a) i) Using a scale of 1 cm to represent 1000 million Kenya Shillings, draw a	
comparative bar graph to represent the data shown.	(8mks)
ii) State three advantages of using comparative bar graphs to represent	
statistical data.	(3mks)
b) Calculate the percentage increase in value of exports between the years 2	2017
and 2018.	(6mks)
c) Explain the significance of trade to the economy of Kenya.	(8mks)
a) i) Name three beef farming areas in Argentina	(3mks)
ii) List three beef cattle breeds reared in Argentina	(3mks)
b) State five factors which favour beef farming in Argentina	(5mks)
c) Explain four benefits of beef farming to the economy of Argentina	(8mks)
d) Outline three differences between beef farming in Kenya and Argentina	a (6mks)
a) Differentiate between a national park and a game reserve	(2mks)
b) i) State four reasons for establishing national parks in Kenya	(4mks)
ii) Identify five examples of game sanctuaries in Kenya	(5mks)
c) i) Define domestic tourism	(2mks)

ii) State four factors that hinder domestic tourism in Kenya	(4mks)
d) Explain four factors that make Switzerland receive more tourists than	Kenya(8mks)
9. a) Differentiate between forests and forestry	(2mks)
b) Explain four factors influencing distribution of natural forests in Ken	ya (8mks)
c) i) Identify three uses of forest product	(3mks)
ii) Give four characteristics of coniferous forests	(4mks)
d) Explain factors that have led to the decline of the area under forest co	ver in
Kenya	(8mks)
10. a) i) List three traditional methods in Kenya	(3mks)
ii) Give three benefits of fish farming in Kenya (3mks)
b) Describe drifting as a method of fishing	(5mks)
c) Explain four reasons why marine fishing in Kenya is less developed	(8mks)
d) You intend to carry out field study on fishing a long Usenge beach on	L.Victoria.
i) State three preparations you would make for the study	(3mks)
ii) List three activities you are likely to carry out during the study	(3mks)
KCSE PREDICTION 6	
PAPER 1	
SECTION A:	
Answer all questions in this section	
	2mks)
	3mks)
	6mks)
	1mk)
· · · · · · · · · · · · · · · · · · ·	3mks)
	2mks)
· ·	3mks)
	2marks)
(b) Describe the origin of continents according to the theory of continental drif	,
SECTION B: Answer question 6 and any other two from this section	
6. Study the Map of Kijabe 1:50,000 (sheet 134/3) Provided and answer the followi	ng questions
(a) i) Calculate the latitudinal extend of the area covered by the map	(2mks)
ii) Identify two human-made features found in the grid square 3501	(2mks)
iii) Measure the distance of the railway line from Nairobi to where it crosses dry we	
· · ·	nks)
(b) Draw a rectangle measuring 8cm by 6cm representing the area enclosed by easti	ng 3 and 38 and Northing
90 and 96.	(1mk)
On the rectangle mark and label	
Railway line	(1mk)
• Dry weather road	(1mk)
River upper Ewaso Kedong	(1mk)
Thicket vegetation.	(1mk)
ii) Give the scale of the area you have drawn.	(2mks)
(c) Describe how relief has influenced vegetation distribution in the area covered by	the map. (6mks)
(d) Citing evidence from the map give three social services offered in the area cover	
7. a) The diagram below shows the angles of the sun's rays at different latitudes wh	
Use it to answer question (a) and (b)	



- i) Name the parts of the earth's surface marked J and K. (2mks)
- ii) Give two reasons why the intensity of the insolation is higher at M than at N. (2mks)
- b) Explain how the following factors influence weather.
- i) Cloud cover

ii) Local winds

c) Use the map below to answer questions (i) and (ii)



i) Name :

•	The type of climate for	und in the	shaded area marked Q	(1mk)
			a	

The ocean currents marked R and S ٠

(2mks)

(3mks)

(3mks)

(2mks)

(3mks)

(3mks)

- ii) Describe the characteristics of the type of climate found in the shaded area marked T.(6mks)
- d) Explain how the following factors influence climate
 - i) Altitude
 - ii) Distance from the sea.
- 8 a.i) Name two fold mountains in Africa.

ii) Apart from fold mountains, name four other features resulting from folding. (4mks)

- b) With the aid of labelled diagram, describe the formation of an over thrust fold. (5mks) (8mks)
- c) Explain four effects of fold mountains on human activities.
- d) Students are planning to carry out a filed study on land forms in their District.
- i) State four ways in which the students would prepare themselves for the filed study. (4mks) (2mks)
- ii) Give two advantages of studying landforms through field work.

9. a i) What is soil.

(2mks)

ii) Name two factors that make up soil.	(2mks)
) Explain how the following factors influence the process of soil form	× ,
) Parent material	(3mks)
/) Climate	(3mks)
	i) Living organisms	(3mks)
	i) Differentiate between soil structure and soil texture	(2mks)
) Identify two forms of soil floccules .	(2mks)
) State two characteristics of podzolic soils.	(2mks)
	. Explain the significance of soils to human activities .	(6mks)
	0.a i) Distinguish between moraine and	(2mks)
1	ii) Name two areas in the world where ice sheets exist today.	(2mks)
	b) The diagram below shows an feature in a glaciated 1	× ,
G) and (ii)	
· · ·		(1mk)
	-	(3mks)
		(4mks)
	Explain three ways in which glaciation influences human environme	
	You carried a filed study on glacial erosion on Mt. Kenya	()
	Give two erosions highland features you identified .	(2mks)
) State three challenges you faced during the field study you need a ro	· · · · · ·
PAP		
	CTION A (25 marks) Answer All the Questions in this Section	
7.	a) Define the term mining.	(2 marks)
8.	b) State three forms in which minerals occur.	(3 marks)
9.	a) Distinguish between forest and forestry.	(2 marks)
	b) Show three factors that influence the distribution of forests.	(3 marks)
10.	a) What is horticulture?	(2 marks
	b) Give three economic factors that influence agricultural activities	s. (3 marks)
11.	a) Name two places where limestone are found in Kenya.	(2 marks)
12.	b) List three uses of soda ash.	(3 marks)
13.	a) What is a dead ground?	(2 marks)
14.	b) Mention three uses of a photograph.	(3 marks)
<u>SEC</u>	TION B (75 marks)	
Ans	wer question 6 and any other two questions	

- Answer question 6 and any other two questions
 8. Study the photograph below and use it to answer question (a).

(c)	(i) Identify the type of photograph shown above.
-----	--

- Describe the characteristics of the forest shown on the photograph. (4 marks) (iv)
- Draw a rectangle measuring 15 cm by 10 cm. On it, sketch and label five main (v) features shown on the photograph. (5 marks)
- (i) Name **two** indigenous softwood tree species in Kenya. (d)

(2 marks) (6 marks)

Explain three problems facing forestry in Kenya. (iv)

- State three factors favoring the development of softwood forests in Canada.(3 marks) (v) Give four differences between softwood forests in Kenya and Canada. (c) (4 marks)
- Study the table below and answer the questions that follow 9.

).	Study	Oil consumption in K	Eenya in the year 2010	
		Economic sector	Percentage of oil consumed	
		Agriculture	4	
		Aviation	21	
		Commercial and Industry	22	
		Power	7	
		Rail	6	
		Road	30	
		Shipping	6	
		Others	4	
		Total	100	
a)	i) Draw a s	imple pie chart to represent the inform	nation above. (6	marks)
b)		the percentage of oil used in transport		marks)
c)	/	n two demerits of using the method ab	1	(2 marks)
d)		ree countries where oil is produced in		marks)
e)	11) Explain	n three contributions of oil in the ecor	nomy of the countries in the Mid	
		aganiha havy naturalayan ail is farmand		(6 marks)
8		escribe how petroleum oil is formed. two wheat growing counties in Kenya		(6 marks) (2 marks)
0		ive conditions favoring wheat farming		(2 marks) (5 marks)
	· · · · · · · · · · · · · · · · · · ·	be wheat farming from planting to har	-	(8 marks)
		wo selling points of wheat in Kenya.		(2 marks)
		re wheat farming in Kenya and Canad	la.	(8 marks)
9.		nomadic pastoralism in Kenya under t		
	i) The	cattle breeds kept		(2 marks)
	ii) The	e pattern of movement		(2 marks)
	b) i) Giv ii) Exp	arketing of the animals e three reasons why nomadic pastoral plain four measures taken by the gove		· · · · · · · · · · · · · · · · · · ·
(8	marks)		1	(4 1)
	· · ·	our challenges facing nomadic pastor	-	(4 marks)
10	· · ·	three indigenous breeds of dairy cattle	•	(3 marks)
10		rerentiate between land reclamation an ntify three methods of land reclamatio		(2 marks) (3 marks)
		te four physical factors that influenced		
	0 <i>j</i> 1. <i>j</i> 5ta	te rour physical factors that influenced		(4marks)
	ii.) Ex	xplain four problems facing Mwea Tab	pere irrigation scheme	(8 marks)

c) i.) Outline the stages that were involved in the reclamation of land from the sea in Netherlands

ii.) State three benefits of the of irrigation farming in Kenya

(5marks) (3 marks)

KCSE PREDICTION 7 PAPER 1 Section A

1. a) State the uniqueness of Geography as compared to other subjects. (2 marks)

b) Give three examples of human environment you know. (3 marks)

2. The table below shows rainfall and temperature figures for a given station. Study it and answer question (a)

Months	J	F	М	А	М	J	J	А	S	0	N	D
Rainfall (mm)	80	120	340	150	130	90	100	120	320	120	100	80
Temperature(^o C)	28	29	32	31	28	28	29	30	31	30	29	28

a. Calculate the annual temperature range for the station

(1mark) (4marks)

- b. Describe the climate for the station
- 3. a. The diagram below shows surface features of karst scenery.



Identify the features marked A and B. (2 marks)

- b. State three conditions necessary for development of karst scenery. (3 marks)
- 4. a) Define an earthquake. (2 marks)
 - b) State three physical causes of earthquakes. (3 marks)
- 5. a) Distinguish between aridity and desertification. (2 marks)

b) State any three solutions to the problem of aridity. (3 marks)

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

Answer question **6** and any **two** questions

- 6. Study the map of KIJABE 1:50,000 (Sheet 134/3) provided and answer the following questions.a. Use of marginal information.
 - i) Give the representative fraction scale of the map.
 - ii) Identify the vertical interval of the map.

iii) What type of road is D398.

iv) What is the six-figure grid reference for Mai Mahiu school.

(2marks)

(1 marks)

(1 mark)

(1 mark)

b. Measure the distance of the railway line from the level crossing near Kijabe post office to Kijabe station (2marks)

c. Describe vegetation of the area covered by the map.	(2 marks)
d. Draw a rectangle measuring 10×6 cm to represent the area bounded	
40 and northing 94 and 00.	(2 mark)
i) On it show; Thicket vegetation, railway line and quarry.	(3 marks)
ii) Calculate the new scale of the area you've drawn in (b) above	
e. With evidence identify three social services offered in the an	
 f. Name any three artificial drainage features found in the area. a. i. Distinguish between glacial till and fluvio-glacial till. (2 ma 7. ii. Give two reasons why there are no ice sheets in Kenya (2 ma) 	arks)
b. Explain <u>three</u> factors that influence the movement of ice from the place	
c. Describe how the following glacial erosional features are formed.	(6 marks)
i) Arete is formed	(4 marks)
ii) Glacial troughd. You carried out a field work on glaciated lowlands.	(4 marks)
i) Mention two methods of data collection you used.	(2 marks)
ii) Name three glacial depositional features you identified.	(3 marks)
iii) Give two follow up activities that you carried out.	(2 marks)
 8. a. Differentiate between folding and faulting 9. b. i. Apart from rift valley, name three features resulting from faul 10. ii. Using well labeled diagrams, describe the formation of the rift v c. i) The diagram below shows a fold. Name the parts marked P, Q and R. 	valley by tensional forces. (8 marks)
ii) Name the fold mountains found in; North west Africa South America Western North America	(4 marks)
Asia	• // • `
d. State and explain any three effects of fold mountains on the climate of a	place. (6 marks)
	(2, 1)
9. a) (i) State three wind erosion processes	(3 marks)
(ii) Give three factors leading to development of deserts.	(3 marks)
b) Explain two ways through which wind transports materials in the deser	ts (4 marks)
c) Describe formation of:-	(2
(i) Wadi (ii) Saif duna	(3 marks)
(ii) Seif dune	(3 marks)
(iii) Rock pedestal	(3 marks)
d) Explain three negative effects of desert land forms	(6 marks)
10. a. i. Give <u>three</u> determinants of soil colour	(3 marks)

26 | Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

 11. ii. State <u>four</u> ways in which humus improve the quality of the soil (4 mail 12. iii. Name <u>two</u> types of soil according to structure. 13. (2 marks) 	arks)
 b. Explain how the following factors influence formation of soil Living organisms Topography 	(4 marks)
 c. Explain <u>four</u> causes of soil degeneration d. You intend to carry out a field study on soil erosion around your school. 	(4 marks)
i. Give two methods of data recording you will use	(2 marks)
ii. Identify two causes of soil erosion you are likely to come across.	(2 marks)
PAPER 2 SECTION A (25 MARKS)	

ANSWER ALL THE QUESTIONS IN THIS SECTION

1.a). I	Define the term energy crisis	(2mks)
	b) State three limitations of using solar energy	(3mks)
2.	a) Give two problems facing river transport in African.	(2 marks)
	(b) The diagram below shows the Great Lakes and the St. Lawre	nce Sea way.

Use it to answer the questions below.



Name the lakes M, Q and R. (3mks)a) Apart from tropical hardwood forests name two other types of natural forests 3. 27 | Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

(2mks)

b) State three problems experienced in exploitation of tropical hardwood forests
--

- 4. a) Give three physical factors that favour coffee growing in Kenya highlands (2mks)
 - b) State two problems facing coffee farming in Kenya
- a) Give three types of fish 5.
 - b) List two traditional methods of fishing

(3mks) (2mks)

SECTION B

Answer question 6 and any other two questions from this section

6. The table below shows crops production in Kenya for a period of five years in 1000 kilograms. Use it to answer question (a)

CROP/YEAR	2005	2006	2007	2008	2009
Coffee	1000	900	800	700	800
Tea	700	700	600	680	600
Cotton	500	400	300	600	350
Pyrethrum	300	200	300	440	450

(a) (i) Using a scale of 1 cm represent 200 kilograms present the above data using a compound bar graph. (9 marks)

(ii) List two advantages of using a compound bar graph to r	represent statistical data.	(2mks)
(b)(i)Other than Ghana, name other two countries West Africa	where cocoa is grown	(2mks)
(ii) State three physical conditions that favor the growth of	cocoa in Ghana.	(3mks)
(c) Describe how cocoa is processed in Ghana	(6mks)	

(d)Give three importance of cocoa production to the economy of Ghana.(3mks)

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



	Mar and a first
a) i) Identify the type of the photograph shown above.	(1mks)
ii) Identify two characteristic of the photograph shown above.	(2mks)
iii) Give three parts of a photograph.	(3mks)
b) Name the type of mining method shown above.	(1mks)
c) Explain how the method named above (b) is carried out.	(6mks)
d) Explain four negative effects of the above method of mining on	the environment.(8mks)
e) Draw a sketch diagram to represent the photograph shown above	e. (4mks)
8. a) (i) Define the term land rehabilitation	(2 marks)
ii) Apart from irrigation, name <i>three</i> other methods of land reclam	ation in Kenya. (3 marks)
28 Page FOR MARKING SCHEMES INBOX MR CHEPK	NONY ON 0724351706



5. Use the diagram below to answer question 5 (a) and (b)				
(a) Label the parts marked A, B and C	(3marks)			
(b) Identify two characteristics of the feature drawn above	(2marks			
SECTION B:	× ·			
Answer question 6 and any other two questions from this section	<u>n.</u>			
1. Study the map of Busia 1: 50,000 (sheet 101/1) provided and answer the following				
a) i) Name two types of vegetation found in the area covered by the map	(2marks)			
ii) What is the six – figure grid reference Nambobote School?	(1mark)			
b) i) Identify two types of scales used to draw the map.	(2marks)			
ii) Calculate the area of the land to the west of the international boundary in the	N.Western corner of the			
map (Give your answer in square kilometers) (2marks				
iii) Measure the distance of the weathered surface road C 523 from grid r	eference 200299 and grid			
reference 276317 (give your answer in kilometers) (2ma	rks)			
c) Explain three factors which influenced the distribution of settlements in the a (6marks)	rea covered by themap.			
d) Describe the drainage of the area covered by the map.	(4marks)			
e) Citing evidence from the map explain three factors that favour business in Busi	a area.			
(6marks)				
2. a) i) Name two types of desert landscape	(2marks)			
3. ii) State three physical factors contributing to the development of deserts	(3marks)			
b) With the aid of a well labelled diagram describe the formation of the following fea	b) With the aid of a well labelled diagram describe the formation of the following features			
i) Rock pedestal	(3marks)			
ii)Barchan	(3marks)			
c) Suppose you are to conduct a field study on the features formed by water action ir	the desert.			
i) List any three land forms you are likely to study	(3marks)			
ii) Outline two methods you would use to collect information	(2marks)			
iii) State three reasons why it is important for them to divide themselves into grou	ps (3marks)			
d) Explain three significance of desert land forms to man	(6marks)			
4. a) i)Define the term soil	(2marks)			
ii) Name three components of soil apart from water.	(3marks)			
b) i) Explain how the following factors influence soil formation.				
Plant and animals				
• Topography				
Climate	(6marks)			
30 Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 072	2 4 3 5 1 7 0 6			



c) Use the diagram of a soil catena below to answer question (c) (i).



i) Give a reason why the area marked x is rich for agriculture.

ii) Explain three significance of soils to human activities

d) Form four students intended to carry out afield study of soil in the school vicinity. State the follow –up activities they would conduct after the study (3marks)

- 5. (a)(i) Distinguish between a river divide and interfluves.
- (ii) The diagram below shows the processes of hydrological cycle. Name the processes marked P,Q,R and S (4marks)

(4marks)

(1mark)

(6marks)

(2marks)



(iii)Explain two significance of the hydrological cycle.	(4marks)
(b) Describe two processes by which a river transports its load.	(4marks)
(c) Describe the following drainage patterns:	
(i) Superimposed	(3marks)
(ii) Dendritic	(2marks)
(d)Your class is planning to carry out a field study on a river in its old st	age.
(i) Apart from flood plain, name two other features you are likely to ider	tify (2marks)
(ii) State three activities students would engage in during the field study.	(3marks)
(iii)Describe three characteristics of the flood plain they would identify. (3marks)
6. a) i) Give two examples of human-made lakes in Kenya.	(2 Marks)
ii) A part from human activities, name other three external land forming	processes that can lead to the formation
of lakes. (3 Ma	rks)

b) Describe how the following lakes are formed.

31 | Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

i) Crate lake.	(4 Marks)
ii) Moraine dammed lake.	(3 Marks)
iii) An oasis.	(3 Marks)
c) i) State two ways in which a lake modifies the climate of the surrounding area.	(2 Marks)
ii) Apart from modifying the climate, explain four other benefits of lakes.	(8 Marks)
PAPER 2	
<u>SECTION A (25 MARKS)</u>	
Answer all questions in this section in the answer booklet provided	
1. a) List two types of minerals	(2marks)

	(amar Ks)
(b) State three conditions that are necessary for the formation of a petroleum reservoir	(3marks)
2. a) Give three physical conditions that favour coffee growing in Kenyan highlands	(3marks)
(b) Give two economic problems experienced in coffee growing in Kenya.	(2marks)
3. (a) State three characteristics of Jua –Kali industries in Kenya.	(3marks)
(b) State three factors that led to the growth of Iron and Steel industry in the Ruhr Region	n of Germany
	(3marks)
4. a) What is Bilateral trade?	(2marks
(b) State two factors that hinder trade among members of East African Community	(2marks)
5. a) Name two main reclamation projects in the Netherlands.	(2marks)
(b)State three reasons for reclaiming swamps in Kenya.	(3marks)

SECTION B (75MARKS)

Answer question 6 and any other two questions in the answer booklet provided

6. The photograph below shows livestock rearing in Kenya. Use it to answer the questions that follow.



(1mark)
(4marks)
l by the photograph
(1mark)
(5marks)
t the area is dry

	(2marks)
 c) i) Name two areas in Kenya where the photograph could have been taken (2marks) 	
ii) Explain how the following factors would improve livestock rearing in Kenya:	
Ranching schemes	(2marks)
Cross breeding	(2marks)
• Destocking the animals	(2marks)
d) State four physical problems facing livestock farmers in Kenya	
(4marks)	
7. (a). (i) Name two provinces in Canada where wheat is grown on a large scale.	(2marks)
(ii) State three physical conditions that favour wheat farming in Canada.	(3marks)
(b) (i) Compare wheat farming in Kenya and Canada under the following sub-heading	<u></u> şs
i. Research	(2marks)
ii. government policy	(2marks)
iii. transport	(2marks)
c) Explain four problems that affect wheat farming in Canada.	(8marks)
(d) Your geography class intends to carry out a field study on wheat harvesting in a farm	
(i) State two reasons for preparing a working schedule	(2marks)
(ii) Outline two problems that face wheat harvesting you are likely to find out.	(2marks)
(iii) Suppose during the field study you used the interview method to collect data. State two lin	· · · ·
method.	(2marks)
8. a) i) Identify four types of fishing	(4marks)
ii) Apart from drifting, name three other modern methods of fishing.	(3marks)
b) Describe how drifting method of fishing is carried out.	(6marks)
c) Explain four factors favoring fishing in the North East Atlantic fishing ground.	(8marks)
d) Give four reasons why fish farming is encouraged in Kenya	(4marks)
9. (a)(i) List three Jua Kali Industries which are located in rural areas of Kenya.	(3marks)
(ii) Suggest three ways in which the Kenya government can promote the developm	
Industries.	(3 marks)
(b)Explain three problems arising from industrialization.	(6 marks)
(c) Explain four factors which influenced the location of iron and steel industry in the Ruhr regin the 10 th contury.	
in the 19 th century. (d) Students of a school in Mombasa County went for a field study at the oil refinery in Momb	(8 marks)
(i) List two methods that they used to record data.	(2 marks)
(ii) Give three problems that they might have faced during the study.	(2 marks) (3 marks)
10. (a) (i) Distinguish between management and Conservation of Environment.	(2marks)
(ii) Apart from flooding, give two other forms of environmental hazards experienced in	
	(2marks)
(b) (i) Identify three districts that are prone to frequent flooding.	(3marks)
(ii) Explain four measures that are taken to control flooding in Kenya.	(8marks)
(iii) State four problems resulting from flooding.	(4marks)
(c) Explain three reasons why it is necessary to manage and conserve the environment.	(6marks)

KCSE PREDICTION 9 PAPER 1 **SECTION A** Answer ALL Questions. 1. (a) Define asteroids? (2marks) (b) State **two** weaknesses of the passing star theory. (2marks) 2. (a) Apart from rainfall, name two other forms of precipitation common in Kenya. (2marks) (b) Name three instruments found in a Stevensons screen. (3marks) 3. (a) State two sources of underground water. (2marks) (b) Highlight three significance of Karst regions. (3marks) 4. (a) Outline **two** external land forming processes that lead to formation of lakes. (2marks) (b) Describe the formation of Lake Victoria. (4marks) 5. (a) State **two** factors that influence the leaching of soil. (2marks) (b) Give three causes of soil degradation. (3marks) **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 type of map is the Oyugis sheet? (1mark) (ii) What is the latitudinal and longitudinal location of the South West edge of the map? (2marks) (iii) Identify two man-made features in grid square 7717. (2mks)(b) (i) What is the lowest point of the area covered by the map? (1mark) (ii) Citing evidence, identify three economic activities in the area covered by the map. (3marks) (iii) Give the six figure grid reference for the spot height to the North West. (2marks) (iv) Calculate the area of Kodera forest. Give your answer in kilometres. (2marks) (c) Describe the relief of the area covered by the map. (4marks) (d) (i) Draw a square of 5cm to represent area bound by Eastings 71&76 and Northings 32&37. (ii) On the sketch map, mark and name the following:-**River Sare** Oluso hill Kokungu dam All weather road loose surface • Spot height number 4946 (7marks) Calculate the new scale of the sketch map. (2marks) (iii) 7. (a) Define the term vulcanicity. (2marks) (b) Differentiate between a sill and a dyke. (2marks) (c) (i) Apart from volcanoes, name two other features resulting from extrusive volcanic activity.(2marks) (ii) State two characteristics of a shield volcano. (2marks) (d) Describe how the following features are formed: (i) Geyser (5marks) (ii) A crater (4marks) (e) Explain **four** significance of vulcanicity to the economy of Kenya. (8marks) 8. (a) What is river regime? (2marks) (b) State two factors that influence the velocity of water in a river. (2marks) (c) Use the diagram below to answer the following questions:-

- DAX	
TIP	
(i) Identify the feature drawn above.	(1morts)
(i) Name the parts X and Y.	(1mark) (2marks)
(iii) State <u>two</u> economic importance of the feature above.	(2marks)
(d) (i) Name <u>three</u> types of river erosion.	(3marks)
(ii) State <u>three</u> conditions for a river capture to occur.	(3marks)
(e) (i) State <u>three</u> conditions for a river capture to occur.	(3marks)
(ii) Describe the process of a river capture.	(4marks)
(f) Describe the centripetal drainage pattern.	(2marks)
9. (a) (i) List <u>three</u> types of desert surfaces.	(3marks)
(ii) Explain two processes of wind erosion.	(4marks)
(b) Using well labeled diagrams, describe how the following features are formed.	
(i) Mushroom blocks	(4marks)
(ii) Seif dune	(4marks)
(c) Explain <u>three</u> factors influencing wind transportation.	(6marks)
(d) State <u>four</u> importances of desert landforms.	
10. a) Differentiate between mass wasting and mass movement.	(2 marks)
b) i) State two causes of soil creep.	(2 marks)
ii) Explain three factors influencing mass wasting.	(6 marks)
c) i) List four processes of chemical weathering.	(4 marks)
ii) Describe the following physical weathering processes.	(2
Slaking Exclusion	(3 marks)
• Exfoliation d) Students are planning to compute field study of an area offected by mass westing	(3 marks)
d) Students are planning to carry out a field study of on area affected by mass wasting.i) How did they prepare for the field study?	(2 mortes)
i) How did they prepare for the field study?ii) Identify three follow-up activities. You are likely to undertake after the study.	(2 marks) (3 marks)
PAPER 2	(3 marks)
SECTION A	
Answer ALL Questions.	
10. (a) Define the term ranching as used in livestock farming.	(2mks)
(b) State <u>three</u> economic factors influencing agriculture.	(3mks)
11. (a) Differentiate between market gardening and horticulture.	(2mks)
(b) Give two reasons why market gardening is practiced near major urban centres.	(2mks)
12. (a) What is land reclamation?	(2mks)
(b) State <u>three</u> physical problems experienced by farmers at Mwea-Tebere irrigation scheme	. (3mks)
(c) Apart from irrigation, give <u>two</u> methods used to reclaim land in Kenya.	(2mks)
4. (a)Apart from drought, identify any two other types of natural hazards in Kenya.	(2marks)
(b) State three problems associated with drought.	(3marks)
5. (a) Other than Ghana identify two other countries producing cocoa in Africa.	(3marks)
(b)Name two ports through which cocoa is exported from Ghana.	(2marks)
	. ,

35 | Page FOR MARKING SCHEMES INBOX MR CHEPKWONY ON 0724351706

SECTION B <u>Answer question 6 and any other two questions from this section.</u>

6.The table below shows	s statistics for major oil prod	ucers in the middle Eas	t in 2012 in ,000 barrel	s per day.
Country	Oil production	Exports	Domestic co	onsumption
Iran	3589	1880	1709	
Iraq	3087	2235	852	
Kuwait	2797	2414	406	
Saudi Arabia	11726	8865	2861	
UAE	3213	2595	618	
 (ii) Calculate the (i) Which co (b) Explain <u>four</u> ben (c) Explain <u>three</u> neg 7. (a) (i) What is forestry (i) Explain <u>four</u> (b) Compare forestry (c) (i) Name <u>three</u> h (ii) Give <u>four</u> pr 8.(a) (i) Name <u>two</u> variation (ii) Explain how Inadequation (iii) Explain how Fluctuation (b) Describe the stage (c) (i) List <u>three</u> explain 	factors favouring forestry in y in Kenya and Canada. ardwood tree species grown oblems facing forestry in Ke eties of coffee grown in Ken the following problems hav	from the region. domestic consumption the economy of Kenya. he environment. h highland areas of Ken in Kenya. mya. ya. e affected coffee growin d market. ng from land preparatio enya.		(6mks) (2mks) (3mks) (8mks) (6mks) (2mks) (8mks) (8mks) (8mks) (3mks) (4mks) (2mks) (2mks) (2mks) (2mks) (3mks) (6mks) (3mks)
(d) (i) Name <u>two</u> dat (ii) Name <u>two</u> po	iry products. orts through which beef is ex	ported from Argentina		(2mks) (2mks)
9.(a) Name <u>two</u> types of (b) Study the world r	f fisheries. nap below and use it to answ	ver the questions that fo	bllow.	(2mks)


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



Name the power projects marked E, F, G and H.

(c) Explain <u>four</u> physical factors that influence the location of a Hydro-electric power station.
(d) Explain <u>four</u> benefits that have resulted from rural electrification in Kenya.

(4mks)

(8mks)

(8mks)

KCSE PREDICTION 10 PAPER 1 SECTION A

Answer all questions in this section

- 1)a) What is an inland delta? (2mks)
- b) Name any three sources of rivers (3mks)
- 2)a) Identify two sources of water found in a lake (2mks)
- b) State three causes of Salinity in lake Magadi (3mks)
- 3)a) Name the two solstices (2mks)
- b) Describe the solar system (3mks)
- 4)a) List any two natural vegetation zones found on a mountain slope in Africa (2mks)
- b) Give three economic uses of vegetation (3mks)
- 5)a) Apart from the Sahara, name two major deserts found in Africa (2mks)
- b) Give three reasons why wind is the dominant agent of erosion in the Sahara desert. (3mks)

SECTION B

Answer question 6, and any other two.

1) Study the map of Taita hills 1:50,000 (sheet 189/4) provided and answer the following questions.

a)i) Give the six figure grid reference of the dispensary in the Ronge forest (2mks)

ii) Calculate the bearing of the all-weather road loose surface D 535 from grid reference 393260 to the end at grid reference 421310 (2mks)

b)i) Using a scale of 1cm to represent 20 meters draw a cross-section from the grid reference 400280 to 440280 (4mks)

ii) On the cross section, mark and name the following:

- All weather road, loose surface (1mk)
- River (1mk)
- Telephone line (1mk)

iii) Calculate the vertical exaggeration (V.E) of the cross-section (2mks)

c)i) Identify three forms of transport found in the area covered by the map (3mks)

ii) Citing evidence from the map, explain three economic activities practiced in the area covered by the map (6mks)

iii) Identify three types of settlements found in the area covered by the map (3mks)

7)a)i) Name two lakes that are due to volcanic activities (2mks)

iii) Give three characteristics of lakes formed due to faulting (3mks)

b) Describe how the following lakes are formed

- i) Oasis
- (4mks)

ii) Lagoon (4mks)

c)i) Explain three causes of salinity in lake Magadi (6mks)

ii) Explain how a lake influences the climate of the surrounding areas. (6mks)

8)a)i) Name two substances that are suspended in the atmosphere (2mks)

ii) State three factors that influence the amount of solar radiation that reaches the earth surface (3mks)

b)i) List any three elements of weather (3mks)

ii) Describe how the rain gauge is used to measure rainfall (4mks)

c)i) Explain three different ways that air that condenses to form rainfall is made to rise (6mks)

ii) List three types of rainfall (3mks)

iii) Explain any two main features of a Stevenson screen (4mks)

9)a) i) Name three parts of fault (3mks)

ii) Give three ways in which faults develop in the crust (3mks)

b)i) Name two types of faults (2mks)

ii) List four relief features that are associated with the Rift valley (4mks)

c)i) Name four major faulted areas of the world (4mks)

ii) Identify any three parts of the great East African Rift Valley (3mks)

d) Explain three ways that faulting influences drained on the Earth surface (6mks)

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

b)i) Identify two ways in which ice moves (2mks)

ii) Name two mountains in East Africa which are ice capped (2mks)

c) Explain three factors that lead to glacial deposition (6mks)

d) You intend to carry out a field study on a glaciated landscape on Mt. Kenya.

i) Name three erosional features you are likely to observe during the field study (3mks)

ii) Explain three reasons why you would require a working schedule (6mks)

iii) Give four follow-up activities you would undertake after the field study. (4mks)

PAPER 2

<u>SECTION A</u> Answer all questions in this section

1)a) Name two rivers to the West of the Rift valley that causes flooding (2mks)

b) Give three ways how floods can be controlled (3mks)

2)a) What is urbanization? (2mks)

b) Name one functional zone of an ideal urban centre (1mk)

c) State two factors which have led to the development of Mombasa as a major sea port (2mks)

3)a) Distinguish between Horticulture and market gardening (2mks)

b) Identify three reasons why horticulture is developed in Netherlands (3mks)

4) Study the map below showing the St. Lawrence sea way and the great lakes and answer question a (i), ii, (iii)



b) In what ways is Kenya going to benefit from direct air flight with United States of America (3mks)

5)a) What is the major difference between a National park and a game reserve (2mks)

b) Apart from game reserves and National park, give three ways in which wildlife is conserved in Kenya (3mks) **SECTION B**

Answer questions 6, and any other two questions. Study the photograph below and answer questions a, b and c



- a)i) Identify the type of photograph shown above (1mk)
- ii) List two counties West of the Rift Valley where this crop is grown in Kenya (2mks)
- iii) Draw a rectangle measuring 15cm by 10cm (1mk)
- On the rectangle sketch and label the main features (4mks)
- b) Briefly describe the above photograph (3mks)
- c) Describe the cultivation of the above crop from land preparation to the stage shown on the photograph (5mks)
- d)i) Name two dairy breeds reared in Denmark (2mks)
- ii) State four physical factors that support dairy farming in Denmark (4mks)
- iii) What is the role of Kenya government in dairy farming (3mks)
- 7)a)i) What is an industry (2mks)
- ii) List two non-agricultural manufacturing industries in Kenya (2mks)
- b) Give four roles of the Jua Kali Industry to the economic development of Kenya (4mks)
- c)i) List two major areas where cottage industry is highly developed in India (2mks)
- ii) Give five characteristics of the cottage Industry in India (5mks)
- d) Study the map below showing Ruhr industrial region in Germany, and use it to answer question i, and ii belo



- i) Identify the Rivers marked P, Q and R (3mks)
- ii) Name the canal labeled S. (1mk)
- e) Explain how the following factors have influenced industrial growth in the Ruhr region of Germany
- i) Capital (2mks)
- ii) Raw materials (2mks)
- iii) Market (2mks)
- 8)a)i) Differentiate between pelagic and demersal fish (2mks)
- ii) List two examples of demersal fish (2mks)
- b) Outline four reasons why fresh water fishing is more popular in east Africa than marine fishing (4mks)
- c)i) Name the Ocean current that makes the coastal water of U.S.A ice free during winter (1mk)
- ii) Explain four factors that influence fishing in the North West pacific fishing ground (8mks)
- d) Form four students from a school in Kisumu carried out a field study on fishing in L. Victoria
- i) State one objective that they could have used for the study (1mk)
- ii) State the reasons why the students needed a route map during the study (2mks)
- iii) Give three advantages of studying fishing through field work (3mks)
- iv) State two problems which they noted is faced by fishermen in Lake Victoria (2mks)
- 9)a)i) What is a fossil fuel? (2mks)
- ii) List two fossil fuels that have recently been discovered in Kenya (2mks)
- iii) State three formations in which mineral ore occurs (3mks)
- b) Explain how the following factors influence mining
- i) Value of the mineral (2mks)
- ii) Transport (2mks) d
- c)i) Describe how solution mining method is carried out (5mks)
- ii) Give three negative effects of mining to the environment (3mks)
- d)i) Name two areas where gold is mined in South Africa (2mks)
- ii) Describe how diamond is processed (4mks)
- 10)a)i) Define the term energy (2mks)
- ii) Name two non-renewable sources of energy (2mks)
- b)i) Identify two potential sites in Kenya for wind energy production (2mks)
- ii) State three reasons why wind energy is still underdeveloped in Africa (3mks)
- c) Use the map of Africa shown below to answer question c (i



i) Name the power plant laballed P, Q and R (3mks)

- ii) Explain the problems facing generation of hydro-electric power production (6mks)
- iii) Apart from providing power, state three other benefits of the power dams in Africa (3mks)
- d) Explain how the following two factors causes energy crisis

i) Artificial shortage (2mks)ii) Oil prices (2mks)

KABARAK HIGH AND SACHO JOINT(MOKASA)

PAPER 1

SECTION A

Answer all the questions in this section

1.	(a)	Define Physical Geography.	(2 marks)
	(b)	State three importance of studying Geography.	(3 marks)
2.	(a)	Distinguish between weather and climate.	(2 marks)
	(b)	Give three characteristics of ITCZ.	(3 marks)
3.	(a)	List three sources of sedimentary rocks.	(3 marks)
	(b)	Give two examples of mechanically formed sedimentary rocks.	(2 marks)
4.	(a)	Describe two ways in which biological weathering takes place.	(2 marks)
	(b)	Identify three benefits of weathering to human activities.	(3 Marks)
5.	(a)	What is a river confluence?	(2 marks)
	(b)	List three processes of river erosion.	(3 marks)

SECTION B

Answer question 6 and any other two questions in this section

6. Study the map of Yimbo 1: 50000 (sheet 115/1) provided and answer the following questions.

(a)	(i)	Give the latitudinal extent of the map.	(2 marks)
	(ii)	What is the highest point of Usengi Hill?	(2 marks)
	(iii)	Measure the length of the provincial boundary to the North the map. Give your answer in kilometers.	West of the area covered by
		the map. Give your unswer in knometers.	(2 marks)
	(iv)	What is the area of Western Province in the area covered by	y the map? (2 marks)
(b)		ectangle below represents the area in the map extract bounderings 90 and 96.	d by Eastings 30 and 39 and

Page 2 of 63 FOR MARKING SCHEMES INBOX 0724351706

Image: Answer in the second			Dr
 (c) Describe the characteristics of River Yala. (6 marks) (d) (i) Describe the relief of the area covered by the map. (4 marks) (ii) Explain two factors which have influenced the distribution of Settlement in the area covered by the map. (4 marks) (a) (i) What is folding? (2 marks) (ii) State three factors that influence folding. (3 marks) (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 			
 (c) Describe the characteristics of River Yala. (6 marks) (d) (i) Describe the relief of the area covered by the map. (4 marks) (ii) Explain two factors which have influenced the distribution of Settlement in the area covered by the map. (4 marks) (a) (i) What is folding? (2 marks) (ii) State three factors that influence folding. (3 marks) (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 		0-0	
 (c) Describe the characteristics of River Yala. (6 marks) (d) (i) Describe the relief of the area covered by the map. (4 marks) (ii) Explain two factors which have influenced the distribution of Settlement in the area covered by the map. (4 marks) (a) (i) What is folding? (2 marks) (ii) State three factors that influence folding. (3 marks) (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 		et t	
 (d) (i) Describe the relief of the area covered by the map. (4 marks) (ii) Explain two factors which have influenced the distribution of Settlement in the area covered by the map. (4 marks) (a) (i) What is folding? (2 marks) (ii) State three factors that influence folding. (3 marks) (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 		Name the features marked Q , R and S .	(3 marks)
 (ii) Explain two factors which have influenced the distribution of Settlement in the area covered by the map. (4 marks) (a) (i) What is folding? (2 marks) (ii) State three factors that influence folding. (3 marks) (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 	(c)	Describe the characteristics of River Yala.	(6 marks)
Settlement in the area covered by the map. (4 marks) (a) (i) What is folding? (2 marks) (ii) State three factors that influence folding. (3 marks) (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks)	(d)	(i) Describe the relief of the area covered by the	e map. (4 marks)
 (ii) State three factors that influence folding. (3 marks) (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 			
 (b) (i) Apart from over thrust fold, name four other types of rocks. (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 	(a)	(i) What is folding?	(2 marks)
 (4 marks) (ii) With the aid of well-labelled diagrams, describe the formation of an Overthrust fold. (8 marks) (c) Explain four significance of Fold Mountains to human activities. (4 marks) (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 		(ii) State three factors that influence folding.	(3 marks)
Overthrust fold.(8 marks)(c)Explain four significance of Fold Mountains to human activities. (4 marks)(a)Give three ways in which the shape of landmasses may influence the Movement of ocean waters.(3 marks)(b)Distinguish between Constructive waves and the Destructive waves.(2 marks)	(b)	(i) Apart from over thrust fold, name four other	• •
 (a) Give three ways in which the shape of landmasses may influence the Movement of ocean waters. (3 marks) (b) Distinguish between Constructive waves and the Destructive waves. (2 marks) 		· · · · · · · · · · · · · · · · · · ·	
Movement of ocean waters.(3 marks)(b)Distinguish between Constructive waves and the Destructive waves.(2 marks)	(c)	Explain four significance of Fold Mountains to hum	nan activities. (4 marks)
(b) Distinguish between Constructive waves and the Destructive waves. (2 marks)	(a)		-
	(b)		
	(c)	Describe three processes of wave erosion along the	
(d) The diagram below shows a wave deposition feature.		-	

Page 3 of 63 FOR MARKING SCHEMES INBOX 0724351706

		Mamland	
	(i)	Identify the feature labelled P .	(1 mark)
	(ii)	State two factors that favors the formation of the feature r above	(2 marks)
(e)		ents from Gedi Secondary School conducted a field study on	
	(i)	Identify three objectives for their study.	(3 marks)
	(ii)	Give three preparations they made for their study. (3 m	arks)
	(iii)	Mention two methods they might have used to collect info study. (2 marks)	ormation before the actual field
(a)	(i)	Define underground water.	(2 marks)
	(ii)	Explain how the following factors influence availability of Underground water.Slope of the landVegetation cover	f (2 marks)
(b)	(i)	State three conditions that are necessary for the formation Artesian well. (3 m	n of an arks)
	(ii)	State three problems that are associated with an artesian	well. (3 marks)
(c)	(i)	Differentiate between a Karst scenery and Karst region.	(2 marks)
	(ii)	The diagram below shows the underground features in lin areas.	nestone

Page 4 of 63 FOR MARKING SCHEMES INBOX 0724351706

9.

		x	Z TYTER DISTURNED
		Identify the features marked X , Y and Z .	(3 marks)
(d)			(2 marks) 8 marks)
(\mathbf{a})	What	(3 marks)	
(a)	what	at is soil?	(2 marks)
(b)	(i)	Name three components of soil.	(3 marks)
(c)	(ii) (i) (ii)	 Describe how the following factors influence the formation of Topography Nature of the parent rock (3 m Define soil profile. The diagram below represents a well-developed soil profile. horizon A. (4 marks) 	(3 marks) arks) (2 marks)
		A B C D T T T T T T T T T T T T T T T T T T	
(d)	Expla	blain four ways in which farming practices may lead to loss of so	il fertility. (8 marks)

Page 5 of 63 FOR MARKING SCHEMES INBOX 0724351706

10.

PAPER 2 SECTION A

Answer ALL questions in this section.

1.	a)	Name two ports through which some minerals mined in East Africa are exported.	(2 marks)
	b)	State three ways in which mining derelicts can be reclaimed.	(3 marks)
2.	a)	What is biogas?	(2 marks)
	b)	State three advantages of Uranium as a source of power.	(3 marks)
3.	a)	State three reasons why the Northern part of Kenya is sparsely populated.	(3 marks)
	b)	Give two types of information that can be obtained from a population pyramid.	(2 marks)
4.	a)	What is urbanisation?	(2 marks)
	b)	State three factors that favoured the growth of Eldoret town.	(3 marks)
5.	a)	Define horticulture.	(2 marks)
	b)	List three characteristics of horticulture.	(3 marks)
	-)		(

SECTION B

Answer question 6 and any OTHER TWO questions in this section.

6. The data given shows world cocoa production from West African countries.

Country	Percentage
Ghana	26.1
Nigeria	24.9
Cameroon	18.2
Cote d'Ivoire	11.6
Others	19.2

a) Draw a pie chart to represent the data. Show your calculations.	(6 marks)
b) List two advantages of using a pie chart to represent data.	(2 marks)
c) i) Name two ports through which Ghana exports its cocoa.	(2 marks)
ii) State three physical conditions that favour the production of cocoa in Ghana.	(3 marks)
d) i) Describe the growing of cocoa under the following sub headings.	
Cultivation.	(3 marks)
Harvesting and processing.	(4 marks)
ii) Give five problems facing cocoa growing in Ghana	(5 marks)
7. a) i) Name three agricultural non food processing industries in Kenya.	()
ii) State four ways in which Kenya has benefited from the motor vehicles industry	
(4 marks)	
b) Explain three problems arising from industrialization in Kenya.	(6 marks)
c) Explain three factors that favoured the establishment of the electronics industry in Japa	
d) You intend to carry out a field study on Jua Kali industries in your local market.	× ,
i) State two reasons why it will be necessary for you to visit the area of study in advar	nce.(2 marks)
ii) For your field study, you have prepared a work schedule. State two items you could	· · · · ·
schedule.(2 marks)	
iii) Give two advantages of studying Jua Kali industries through field study.	(2 marks)
8. a) i) Define the term energy.	(2 marks)
ii) Identify the type of energy from the following sources.	
a) sun	(1 mark)
	. ,
Page 6 of 63 FOR MARKING SCHEMES INBOX 0724351706	

(1 mark)

- b) uranium
- c) wind

b) The diagram below shows the location of Hydro electric power stations in Kenya. Use it to answer questions below.



		i)	Name the HEP projects F, G, H.	(3 marks)
		ii)	Name the proposed dam and power station marked J.	(1 mark)
	c)		Explain three benefits of hydro electric power projects to the economies of the East A	frican
	col		les. (6 marks)	
			Explain two physical factors that have influenced the location of the owen falls hydroe	electric power
	pro	oject	in	-
	-		Uganda.	(4 marks)
		iii)	Apart from Owen falls dam, name two other hydroelectric power projects in Uganda.	(2 marks)
	d)	Yo	ur geography class intends to carry out a field study at Olkaria geothermal power plant	
		i)	State two objectives of your study.	(2 marks)
		ii)	What two follow-up activities are they likely to engage in after the study.	(2 marks)
9.	a)	i)	Apart from draining swamps, give two other methods through which land has been rec	claimed in
	Ke	enya	(2 marks)	
		ii)	Give two methods that are used to drain swamps in Kenya.	(2 marks)
	b)		Name two rivers that supply water to the Mwea irrigation scheme	(2 marks)
		ii)	Explain how the following factors influenced the establishment of Mwea irrigation sch	
			- Topography	(2 marks)
			- Soils	(2 marks)
			- Population	(2 marks)
			- Government policy	(2 marks)
	c)		Name three areas that make up the Zuider zee reclamation project in the Netherlands.	· /
			Explain four differences between reclamation in Kenya and the Netherlands.	(8 marks)
10	. a)	i)	Differentiate between a settlement pattern and a settlement.	(2 marks)
		ii)		(2 marks)
		b)	State three factors that may lead to :	
		i)	Nucleated settlement	(3 marks)
			Dispersed settlement.	(3 marks)
	c)	i)	State three characteristics of the Central Business District.	(3 marks)
	1		Explain three problems Mombasa faces as it grows.	(6 marks)
	d)	Wi	th relevant examples, state six functions of New York city.	(6 marks)

Page 7 of 63 FOR MARKING SCHEMES INBOX 0724351706

ASUMBI GIRLS HIGH SCHOOL

PAPER 1

SECTION A (25 MARKS)

Answer **all** the questions in this section.

- 1. a) What is the relationship between Geography and medicine.
 - b) State **three** characteristics of Planet earth.
- 2. (a) What are harmattan winds.
 - (b) The diagram **below** shows a type of wind



(I)	Identify the type of wind marked W	(1 mark)
(II)	List two characteristics of the type of wind marked W	(2 marks)

3. (a) What are limbs in a fold? (2 marks)
(b) List <u>three</u> theories put forward by scientists on the formation of Fold Mountains. (3 marks)

4.	(a) Distinguish between a seismic focus and epicenter.(b) Identify three major earthquake belts of the world.	(2marks) (3marks)
5.	(a) Name two warm ocean currents in Africa.	(2marks)
	(b) State three factors that influence ocean water temperature.	(3marks)

SECTION B (75 MARKS)

Answer question 6 and any other two questions from this section

6.	a)	(i) Give the map tittle	(2mark)
		(ii) Give the longitudinal extent of the area covered by the map	(2 marks)

b) (i) Give the index to adjoining sheet to the North west of the area covered by the map (1mark) Page 8 of 63 FOR MARKING SCHEMES INBOX 0724351706

(2marks)

(2 marks)

(3 marks)

(ii) Convert the scale of the map to statement scale.	(2 marks)	
(iii) Calculate the area covered by western province. Give your answer in square km	(2 marks)	
c) (i) Using a vertical scale of 1cm rep 20m draw a cross section from grid reference 260940 to 320940. (3marks)		
On it mark and label the following	(4marks)	
 kadimu Bay Road C501/2 Main Tracks thicket 		
	narks)	
d) (i) Citing evidence, identify three the social activities carried out in the area covered (3m	by the map. arks)	
(ii) Describe the relief of the area covered by the map.	(4marks)	
 a. (i) Name three forces responsible for the shape of the earth (ii) Give four proofs that the earth is spherical in shape 	(3 marks) (4 marks)	
b. (i) What is international dateline	(2 marks)	
(ii) What is the longitude whose local time is 5:00 p.m. when the local time 8:00p.m? (2 n	at Longitude 0° is narks)	

c. Use the diagram below to answer the questions that follow.



Page 9 of 63 FOR MARKING SCHEMES INBOX 0724351706

- i) What type of eclipse is represented by the diagram how does it occur? (3 mark)
- ii) Name the features marked P and Q

(2 marks)

d. The diagram below represents the structure of the earth. Use it to answer the questions that follow.



(i) Name the parts marked A , B and C .	(3 marks)
(ii) Give four characteristics of the layer marked B	(4 marks)
(ii) Name any <i>two</i> constituents of the atmosphere.	(2 marks)

2.	a. (i) What is a climax vegetation?(ii) State four characteristics of the mediterenean type of vegetation	(2 mark) (4 marks)
	b. Explain three factors which influence the distribution of vegetation in Kenya	(6 marks)
	c. Give Reasons why Tundra region has scanty vegetation.	(3 marks)
	(c) Write the names of the grasslands found in the following areas	(3 marks)
	(i) East Africa	
	(ii) Canada	
	(iii) Argentina	
(d)	You are required to carry out a field study of the vegetation within the local environ	nment:

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

(ii) Give three reasons why it would be necessary to sample out part of the area covered by the vegetation for the study (2 marks)

Page 10 of 63 FOR MARKING SCHEMES INBOX 0724351706			
9.	(a)	Distinguish between river regime and river discharge.	(2 marks)
	(iii)	List three methods they may have used to collect data	(2marks)

(b)	(i)	State <i>three</i> factors influencing river transport.	(3 marks)
(c) (d) River		(6 marks) rmed. (6 marks) er rejuvenation on	
	(i) (ii)	State <i>three</i> causes of river rejuvenation they found out. Name <i>any three</i> types of meanders they are likely to have identi	(3 marks) fied. (3 marks)
	(iii)	Identify <i>two</i> problems they may have encountered during the fie	ld study. (2 marks)
(a)	(i)	What is soil?	(2 marks)
	(ii)	Identify <i>two</i> components of soils.	(2 marks)
	(iii)	Differentiate between soil structure and soil texture.	(2 marks)
	(iv)	Name <i>two</i> types of soil according to soil texture.	(2 marks)
(b) Explain how the following factors influence the formation of soil.			

(i) Climate (2 marks)

(2 marks)

- (ii) Topography
- (c) The diagram below shows a soil catena.

10.



Page 11 of 63 FOR MARKING SCHEMES INBOX 0724351706

PAPER 2 SECTION A

Answer all the questions in this section

- 1 a) What is human geography? (2 marks)
 - b) State three ways in which the study of Geography contributes to National development.

(3 marks)

- 2. a) Apart from coniferous forest, name two other types of natural forests. (2 mks)b) State three characteristics of coniferous which favour their exploitation. (3 mks)
- 3. a) Give the characteristics of plantation agriculture in Kenya. (3 marks)b) State 2 problems facing coffee farming in Kenya. (2 marks)
- 4 a) Study the map of the Ruhr Industrial region and use it to answer the question below



(i) Name

- (ii) The town marked Q (1 mark)
- (iii) The River marked X (1 mark)

Page 12 of 63 FOR MARKING SCHEMES INBOX 0724351706

- b) Apart from the iron and steel, list 3 other industries in the region. (3 marks)
- 5. a) State three causes of urban rural migration (3 marks)b) Give two reasons for rapid population growth. (2 marks)

SECTION B (75 MARKS)

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

6. The table below shows the number of tourists who visited Kenya between 1996 -1999. Use it to answer the questions that follow.

Origin/Year	1996	1997	1998	1999
Britain	100,000	80,000	60,000	40,000
N. America	80,000	50,000	45,000	45,000
Germany	70,000	40,000	35,000	30,000
S.E Asia	40,000	30,000	25,000	25,000

(a) Using a scale 1 cm to represent 20,000 people, draw a compound bar graph to present this data. (6 marks)

- (b) State possible reasons for the decline in the number of tourists since 1997 (4 marks)
- (c) (i) What is eco-tourism (2 marks)
 - (ii) State two objectives of eco-tourism. (2 marks)
- (d) Explain three factors that hinder development of domestic tourism in Kenya. (6 marks)
- (e) Identify five steps taken by the Kenya government to promote tourism in the country. (5 marks)

7. Study the sketch map of the great lakes of St. Lawrence



a) Name

- i) The port marked N. (1 mk)
- ii) The waterfall marked M (1 mk)
- iii) The lakes marked I, J, K, L (4 mks)
- b) Explain five ways in which the great lakes of St. Lawrence sea way has contributed to the economy of Canada and USA. (10 mks)

Page 13 of 63 FOR MARKING SCHEMES INBOX 0724351706

- c) i) State three recent developments that have taken place in Kenya to improve communication of information. (3 mks)
 - ii) Explain three problems facing telephone as a means of communication in Kenya. (6 mks)
- 8. (a) (i) What is Environmental Hazards. (2 marks)
 - (ii) Identify three environmental hazards caused by human activities. (3 marks
 - (b) (i) State three cause of floods. (3 marks)
 - (ii) Explain four ways of combating floods in Kenya. (8 marks)
 - (c) Students from your school carried out a field study on a flood prone area in your country.
 - (i) State four reasons why the working schedule is very important in their study. (4 marks)
 - (ii) List two methods of data collection they are likely to use. (3 marks)
 - (iii) Name two areas in Kenya prone to flooding. (2 mks)
- (9) a) (i) Apart from nuclear energy name three other non-renewable sources of energy. (3 marks)
 (ii) State three factors that hinder development of nuclear energy in many countries. (3 marks)
 - (b) (i) Explain the three effects of overdependence of petroleum on the economy of oil importing countries. (6 marks)
 - (ii) State 3 methods that Kenya can use to conserve her energy. (3 marks)
 - (c) Give reasons why Kenya has not been fully able to fully exploit her geothermal potential. (4 marks)
 - (d) Use the map of Africa to answer the questions that follow



- (i) Name the H.E.P projects that are marked 1,2,5,6. (4 marks)
- (ii) Give two reasons why Africa has a high potential of H.E.P (2 mks)
- (a) i) Name four forms of which minerals occur. (4 mks)
 - ii) State four factors that are necessary for the occurrence of minerals. (4 mks)
- b) State three ways in which open cast mining affect the environment. (3 mks)
- c) Explain four ways in which mining contribute to the economy of Kenya. (8 mks)
- d) Form 4 Geography students carried out field study on mineral found in the Rift Valley
 - i) State three objectives of their study. (3 mks)
 - ii) List down three problems they are likely to come across. (3 mks)

Page 14 of 63 FOR MARKING SCHEMES INBOX 0724351706

10.

MARANDA SCHOOL

PAPER 1

SECTION A

Answer **all** the questions in this section

- (a) If the time in Town Y which is 75⁰ W is 5 a.m., what is the time in town P which is 40⁰ E?(3 marks)
 (b) How does rotation of the earth cause the occurrence of day and night? (2 marks)
- 2. (a) Name *two* elements of weather that can be recorded at a school weather station. (2 marks)
 - (b) The diagram below represents a weather measuring instrument. Use it to answer the following questions.



- (i) Identify the weather element measured using the above equipment.(1 mark)(ii) Describe how the above instrument is used.(2 marks)
- 3. Describe how igneous rocks are formed
- 4. (a) Name the types of delta found at the mouth of;
 - (i) River Nile
 - (ii) River Omo
 - (b) State *three* conditions necessary for the formation of a delta (3 marks
- 5. The diagram below shows mountain vegetation zones, use it to answer the questions that follow.



(a) Name the vegetation zones marked X, Y and Z.

(b) State *two* reasons why the mountain top has no vegetation.

SECTION B

Answer question 6 and any other two questions from this section. Page 15 of 63 FOR MARKING SCHEMES INBOX 0724351706 (3 marks) (2 marks)

(5 marks)

(1 mark)

(1 mark)

6. Study the map of Kijabe 1:50, 000(sheet 134/3) provided and answer the following ques	stions
(a) (i) Identify <i>two</i> types of scales used in the map of Kijabe	(2 marks)
(ii) Name any <i>two</i> drainage features found in Kijabe	(2 marks)
(b) (i) Measure the distance of the road B3 from Narok to the junction at road 4104. G	· · · · · ·
kilometers and meters.	(2 marks)
(ii) Give the economic activities represented by the following features in Kijabe	(4 marks)
• Saw mills.	· · · · ·
• Water troughs	
• Forest guard post	
Kagwe Carbacid plant	
(c) Name <i>three</i> human features found in grid square 3690.	(2 marks)
(d) Describe the distribution of natural vegetation in the area covered by the map.	(6 marks)
(e) Citing evidence from the map, explain <i>three</i> factors that have favored trade in Kijab	· · · · ·
7. (a) (i) Name <i>one</i> tectonic forces that causes faulting.	(1 mark)
(ii) Differentiate between a normal fault and a reverse fault.	(2 marks)
(b) Using labelled diagrams, describe how the following features are formed	()
(i) Block mountain	(8 marks)
(ii) Fault steps	(8 marks)
(c) Explain <i>three</i> ways in which faulting may influence drainage	(6 marks)
8. (a) (i) Give <i>three</i> underground features found in a karst landscape	(2 marks)
(ii) State <i>three</i> reasons why there are few settlements in a karst landscape.	(3 marks)
(b) Describe how the following surface features in limestone are formed:	
(i) Grikes and Clints	(4 marks)
(ii) Uvala	(5 marks)
(c) Explain <i>three</i> negative effects of resultant features in limestone areas on human activ	vities.(6 marks)
(d) Students of Nyamira Girls High School are planning to go for a field study in areas of K	Karst scenery.
(i) State <i>two</i> reasons why it was important to seek permission from school administration	on (2 marks)
(ii) Give <i>two</i> reasons why they would need a map of the area of study	(2 marks)
9. (a) (i) Define desertification	(2 marks)
(ii) State <i>two</i> factors influencing wind transport	(2 marks)
(b) Describe how the following features are formed:	
(i) Oasis	(5 marks)
(ii) Bajada	(5 marks)
(c) Explain <i>three</i> significance of desert land forms to human activities	(6 marks)
(d) You intend to carry out a field study in a desert landform	
(i) Give <i>two</i> methods you would use to collect information	(2 marks)
(ii) State the follow up activities you would carry out after the field study	(2 marks)
10. (a) What is glacier	(2 marks)
(b) State the distinctive characteristics of the following features resulting from glacial er	
(i) Corrie	(2 marks)
(ii) A pyramidal peak	(2 marks)
(c) Describe how the following features are formed;	(1 mantra)
(i) Terminal moraine	(4 marks)
Page 16 of 63 FOR MARKING SCHEMES INBOX 0724351706	

 (ii) Crag and Tail (iii)Cirque lake (d) Explain <i>three</i> positive effects of glaciation in lowlands (6marks) PAPER 2 	(4 marks) (5marks)
SECTION A	
Answer <i>all</i> the questions in this section	
1. (a) Define the term agroforestry.	(2 marks)
(b) Give <i>three</i> uses of the mangrove trees.	(3 marks)
2. (a) Name <i>two</i> areas where diamonds are mined in South Africa.	(2 marks)
(b) State <i>three</i> negative effects of mining on the physical environment.	(3 marks)
3. (a) Name the spectacular wildlife activity across the Mara river that is considered one of t	he new wonders
of nature.	(2 marks)
(b) State <i>three</i> characteristics of package tourism.	(3 marks)
4. (a) Name <i>two</i> types of railway rail currently operated in Kenya by railway services.	(2 marks)
(b) State <i>three</i> conditions of roads in Kenya that may lead to motor vehicles accidents.	(3 marks)
5. Below is a map of the Ruhr industrial region in Germany. Use it to answer the questions the	nat follow.
poundary of coameig	



(a) Name:

(i) The river marked Q.(ii) The town marked T.

(iii) The canal marked Z.

(1 mark)

(1 mark)

(1 mark)

(b) Give *two* reasons why the Ruhr region has lost some of its importance as an industrial centre in recent years. (2marks)

SECTION B

Answer question 6 and any other two questions in this section

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

Page 17 of 63 FOR MARKING SCHEMES INBOX 0724351706



- (a) (i) Name the activity taking place in the photograph. (1 mark)
 - (ii) Identify the type of photograph shown above.
 - (iii) State *three* reasons for the identification in (ii) above. (1 mark)

(1 mark)

- (iv) Identify *four* safety measures that the people in the photograph have taken as they carry out the above activity. (4 marks)
- (b) (i) Draw a rectangle measuring 15cm by 10cm to represent the area covered by the photograph. (2
 (ii) On the rectangle sketch and label *four* main features shown on the photograph (4 marks)
- (c) Below is a flow chart showing the processing of sugar cane. Study it and answer questions, 6(b) (i) and (ii).



Page 18 of 63 FOR MARKING SCHEMES INBOX 0724351706

- (i) Name the processes labeled S and U. (2 marks)
- (ii) Give *two* bi-products from the process labeled U. (2 marks)
- (d) Explain *three* possible solutions to the problem of exploitation by the middle men in sugar cane farming.
 - (6 marks)
- (a) (i) Give *two* disadvantages of using agro-chemicals as a method of controlling tsetse flies.(2 marks) 7.
 - (ii) State three physical factors which should be considered when selecting a waste land to be reclaimed for agricultural use. (3 marks)
 - (b) (i) State *three* benefits that resulted from the reclamation of Yala swamp. (3 marks)
 - (ii) Give three advantages of irrigation over rain fed agriculture. (3 marks)
 - (c) The map below shows some irrigation schemes in Kenya. Use it to answer questions (c) (i) and (ii).



	(i) Name the irrigation schemes above labeled B , C and G .	(3 marks)
	(ii) State <i>five</i> challenges which the schemes labeled B faces.	(5 marks)
(d)) (i) Name <i>two</i> main polders in the Netherlands.	(2 marks)
	(ii) Give <i>four</i> ways in which the polders in the Netherlands have contributed t	to Horticultural farming in
	the country.	(4 marks)
(a)) (i) Define the term fisheries.	(2 marks)

- 8. (a) (i) Define the term fisheries.
 - (ii) State *two* characteristics of pelagic fish. (2 marks)
 - (b) The map below shows major world fishing grounds. Use to answer the questions that follow.

Page 19 of 63 FOR MARKING SCHEMES INBOX 0724351706



- (i) Identify the *two* ocean currents that converge in the fishing ground marked **P**.
- (ii) Name two major fishing countries in the South West Atlantic fishing grounds
- (iii)State two physical factors favouring fishing in the South West Atlantic fisheries
- (c) (i) Identify the fishing method below



(ii) I	Describe how the above fishing method is carried out.	(4 marks)
(d) (i)	What is fish cage farming?	(2 marks)
(ii)	Give <i>two</i> reasons why tilapia is the most common fish species in fish farming.	(2 marks)
(iii)	Compare fishing in Japan and Kenya under the following subtopics:	
	• Technology	(2 marks)
	• Market	(2 marks)
	Tradition	(2 marks)

Page 20 of 63 FOR MARKING SCHEMES INBOX 0724351706

- (2 marks)
- (2 marks)
- (2 marks)
- (1 mark)

9. (a) The sketch map below shows Hydro-Electric power stations along River Tana. Use it to answer the questions that follow.



(i) Identify the hydroelectric power stations marked S and T .	(2 marks)
(ii) Name the proposed hydroelectric power station marked U	(1 mark)
(iii)State <i>three</i> physical factors that led to the establishment of seven forks hydroelectric	· · · ·
along river Tana	(3 marks)
(iv)What is the name of the multi-purpose hydroelectric power dam recently commission	
Ethiopian government on the Blue Nile?	(1 mark)
(b) (i) Name <i>three</i> sources of green energy	(3 marks)
(ii) Name <i>three</i> potential sites of geothermal power in Kenya.	(3 marks)
(c) (i) Define biomass	(2 marks)
(ii) State <i>four</i> causes of energy crisis.	(4 marks)
(d) Explain <i>three</i> effects of power rationing in Kenya.	(6 marks)
10. (a) Define the following terms:	
(i) Census	(2 marks)
(ii) Infant mortality rate	(2 marks)
(b) (i) Explain <i>three</i> efforts taken by the Kenya government to reduce cases of infant morta	ılity.
	(6 marks)
(ii) State three challenges the Kenyan Government faces in her effort to control the Cov	vid-19 mortality
in the country.	(3 marks)
(c) (i) Using the table below calculate the inter-census numerical population increase	(2 marks)
Year Total population	
1979 15,327,061	
1969 10,942,705	
(ii) Give the meaning of brain drain.	(2 marks)
(iii)State <i>three</i> measures that the Kenya government should undertake to check on brain	· · · · ·
	(3 marks)
(d) (i) Name <i>two</i> Scandinavian countries with slow population growth.	(2 marks)
(ii) Give <i>three</i> measures taken by the above countries to increase their population growt	· · · · ·
	(3 marks)
Page 21 of 63 FOR MARKING SCHEMES INBOX 0724351706	

PANGANI GIRLS

PAPER 1 **SECTION A**

25MARKS

Answer all the questions in this section.

- Name two branches of geography. 1. a) (2marks) Give three reasons why it is importance to study geography. (3marks) b) (2 marks)
- What is the solar system? 2. a) State three characteristics of sima crust
 - (3 marks) **b**)
- The diagram below shows a weather measuring instrument. Use it to answer the following questions. 3.



(a) Identify the instrument	(1 mod r)
 (a) Identify the instrument (b) Describe how the instrument functions 	(1 mark)
(b) Describe how the instrument functions	(4 marks)
4. a) Distinguish between volcanicity and vulcanicity	(2marks)
b) Give three intrusive volcanic features.	(3marks)
5 a) Define term rock	(2marks)
b) State three characteristics of minerals	(3marks)
Section B (75 marks)	
Answer Question 6 and any othe	r two.
6. (a) Study the map of Kijabe 1: 50,000 provided and answer the	
(i) What is the approximate height of the top of Kijabe hill?	(1 mark)
 (ii) Measure the length of Nairobi – Naivasha railway line from Lan level crossing near Kijabe station (grid reference 308984). Give your (2 marks) 	
(iii) Give the longitudinal extend of the map extract. (1	mark)
(b) i) Find the bearing of the cattle dip at Kenton from the pump ho (2 marks)	ouse near the hot springs
ii) Name two types of the scales on the map extract.	(2 marks)
iii) Give two functions of Kijabe Township.	(2marks)
(c) Identify the vegetation of the area covered by the map Page 22 of 63 FOR MARKING SCHEMES INBOX 0724351706	(4 marks)

(d) Explain how relief has influenced the distribution of settlement in the area covered by the map. (6 marks) (e) i) Draw a rectangle measuring 14cm by 10cm, to represent the region enclosed by Easting's 24 and 31 and northings 96 and 01. (2marks) ii) On the rectangle identify and mark the following features. Railway line. (1mark) -Regional boundary. (1mark) _ School (1 mark) 7. i) Define the term faulting. (2marks) Name two types of faults. (2marks) ii)

iii) Use the diagram below to answer the question that follows:-

Name the features marked M, N and P a)

(3marks)

b) With well labelled diagrams explain the formation of the Rift v (8marks)	valley through tensional forces.
c) Explain five positive effects of faulting.	(10marks)
8. (a) State four physical factors that contribute to development of dese	erts.
	(4 marks)
(b) Give four characteristics of hot desert landscape.	(4 marks)
(c) Explain three factors that influence wind transport in the desert.	(6 marks)
(d) Describe how a deflation hollow is formed.	(4 marks)
(e) You carried out a field study in a desert landscape.	
(i) State four preparations for your study.	(4 marks)
(ii) List three water depositional features you identified.	(3 marks)
Page 23 of 63 FOR MARKING SCHEMES INBOX 0724351706	

9. (a) (i) Define the term glaciation.	(2 marks)
(ii) Name three types of moraines.	(3 marks)
(b) Describe how the following features found in upland glaciated la	indscapes are formed.
(i) Glacial through	(4 marks)
(ii) Pyramid peak.	(6 marks)
c) Explain three significance of upland glaciated features to human a	activities. (6 marks)
(d) Suppose you were to carry out a field study of glaciated lowland	
(i) State two advantages of using oral inter views to collect infor	rmation during the field study. (2 marks)
(ii) Name two features found in glaciated lowlands that you are	likely to study. (2 marks)
10. (a) Differentiate between soil texture and soil structure.	(2 marks)
(b) (i) Apart from organic matter, name four other components (4 marks	
(ii) State four ways in which humus contributes to the qua	lity of soil. (4 marks)
(iii) Explain how the following farming practices may resu	lt to loss of soil fertility.
Continuous irrigation	(2 marks)
• Overgrazing	(2 marks)
Over cultivation	(2 marks)
(c) Give three soil forming processes	(3 marks)
(d) Explain three ways in which natural vegetation may prevent so (6 marks)	oil from erosion.

PAPER 2 SECTION A

Answer ALL the questions in this section

1.	a) Give three major areas studied in Human and Economic geography	(3mks)
	b) State how geography is related to agriculture	(2mks)

a) Give three reasons why it is necessary to study geography through fieldwork (3mks)b) State two disadvantages of direct observation as a method of data collection (2mks)

(3mks)

3. a) State three uses of Soda Ash

Page 24 of 63 FOR MARKING SCHEMES INBOX 0724351706

b) Name two areas where diamond is mined in South Africa	(2mks)
4. a) identify two protective role of forest in Kenya	(2mks)
b) State three factors that lead to depletion of forests in Kenya.	. (3marks
5. a) State three physical condition favouring the growing of cocc	oa in Ghana (3mks)
b) List two problems facing cocoa farming in Ghana	(2mks

SECTION B

7.

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

6. The table below shows domestic consumption of dairy products in Kenya in millions kilograms between 2008 and 2011. Use it to answer questions that follows;

years Dairy products	2008	2009	2010	2011
Butter	20,000	25,000	30,000	35,000
Canned Milk	15,000	30,000	25,000	20,000
Cheese	10,000	9,500	5,000	4,000
Yoghurt junket	2,000	4,000	5,000	9,000

	:) II	1 1 £ 1		5000	1	۱	1 1
а	. i) Using a vertica	i scale of Ich	n to represent	SUUU million kild	ograms, draw C	umulative	bar graphs to
	represent the data	ı			(8mks)		
	ii) Give three disa	dvantages of	using cumulat	tive bar graph to i	represent the da	ta (3mks)	
b	. i) Name four dair	y breeds kep	t in Kenya			(4mks)	
	ii) State two diffe	erences betwe	en dairy farm	ing in Kenya and	Denmark	(4mks)	
c	. Explain three way	ys taken by tł	ne government	t of Kenya to imp	orove dairy farm	ning	(6mks)
7. a.	i) Name two types	of alluvial m	ining method			(2mks)	
	ii) Identify four fac	ctors that influence	uence the expl	oitation of miner	als in Kenya	(4mks)
	iii) Describe the sh	aft method of	f mining			(6mks)
b. E	xplain three adverse	e effect of gol	d mining to th	e environment of	f South Africa	(6mks)	
c. Y	our class intends to	carry out a fi	eld study on g	old mining site in	n Migori Count	y in Nyanz	a region;
i) Outline four ways	in which the	students woul	d prepare for this	field study	(4mks)	
ii) State three reasons	s why they we	ould be require	ed to conduct a re	connaissance	(3mks)	
8. a	. i) State three benef	fits of out gro	wer schemes i	in growing of sug	ar cane in Ken	ya (3mks)	
	ii) State three reas	ons why Ken	ya imports su	gar sometimes		(3mks))
Page	e 25 of 63 FOR MARI		ES INBOX 072	4351706			

b. i) State four physical conditions which favour large scale sugarcane growing in Ke	enya (4mks)
ii) Describe the stages involved in the processing of sugarcane at the factory	(8mks)
iii) Give three by – products obtained from sugar cane	(3mks)
c. State four problems facing sugar cane farmers in Kenya	(4mks)
9. a. i) Give three methods used to drained swamps in Kenya	(3mks)
ii) State four benefits that resulted from the reclamation of the Yala swamp	(4mks)
b. i) What is a polder	(2mks)
ii) Name three areas which make up the wider zuder zee reclamation project in th	e Netherland
(3mks)	
c. i) Name two methods of irrigation used in Kenya	(2mks)
ii) State three importance of irrigation farming in Kenya	(3mks)
d. State four differences between land reclamation in Kenya and the Netherland	(8mks)

- 10. a. i) What is fish farming(2mks)ii) State three reasons why marine fisheries are underdeveloped in Kenya(3mks)
 - b. i) describe the purse seining as a method of fishing (6mks)

ii) State four ways in which the Kenyan government is promoting the fishing industry in the country (4mks)

c. The world map below shows major fishing grounds of the world. Use it to answer the following questions;

(2mks)



Name the fishing ground marked A and B

i) Explain four factors that make the area marked C an important fishing ground (8mks)

Page 26 of 63 FOR MARKING SCHEMES INBOX 0724351706

ALLIANCE BOYS HIGH SCHOOL PAPER 1

SECTION A

Answer all questions in this section

(25 marks)

- 1) The diagram below represents structure of the earth.
- a) Use it to answer questions that follow.



i)	Name the boundaries marked E and F.	(2 marks)
ii)	Identify two minerals that make up the layer marked H.	(2 marks)
b)	Give two effects of the rotation of the earth on its axis.	(2 marks)
2)a)	Define the term magmatic water	(2 marks)
b)	List three surface features on Karst landscape	(3 marks)
3).a)	Define the term vegetation	(2 marks)
b)	Explain how the following factors influence the distribution of vegetat	tion
i)	Relief	(2 marks)
ii)	Soils	(2 marks)
4)	State four indicator of occurrence of sol creep in an area	(4 marks)
5) a) N	Name two types of submerged highland coasts	(2 marks)
b) Ider	ntify two resultant features of the emerged highland coasts	(2 marks).
Sectio	n B. Answer question 6 and any other two. 75 marks	
Q.6 St	udy the map of Kijabe provided to answer the questions that follow.	
(a) (i).	Identify the tittle of the map provided.	(1 mark).
). Give the latitudinal extent of the map given.	(2marks)

Page 27 of 63 FOR MARKING SCHEMES INBOX 0724351706

(ii). Identify any two methods used to represent relief in the map provided.	(2 marks)
(ii). Identify the feature in grid reference 402003.	(1 mark)
b)(i). Determine the length of all-weather road bound surface from grid reference kilometers. (2 ma	· ·
(ii). Identify three natural vegetation in the area covered by the map.	(3marks)
(ii). Describe the drainage of the area covered by the map.	(6 marks)
(c)(i). Explain three social activities found in the area covered by the map.	(6 marks)
(ii). Give two proofs that suggests lumbering is taking place in the area covered b	y the map. (2 marks)
7. a) i) Give three reasons why weather forecasting is important	(3 marks)
ii) State three conditions that lead to fog formation.	(3 marks)
b) Explain how the following factors influence climate.	
i) Aspect	(2 marks)
ii) Altitude	(2 marks)
iii) Distance from the sea.	(2 marks)
c) Using a well labeled diagram, describe the formation of orographic rainfall.	(6 marks)
d) i) State two advantages of studying weather through fieldwork.	(2 marks).
Students from Turuturu Secondary conducted a field study on weather in a weather a suitable hypothesis they could have used for the study.	er station. ii) Formulate (2 marks)
iii) State three follow-up activities they would carry out after the study.	(3 marks)
8 a) Identify three ways in which ice moves.	(3marks)
b) Describe plucking as a process in glacial erosion.	(4marks)
c) i) Using a well labeled diagram, describe the formation of a pyramidal peak.	(6marks)
ii) Explain three factors that lead to glacial deposition.	(6marks)
d) You are required to carry out a field study on erosional features in glaciated low	vland area
i) Give three reasons why you would require a working schedule	(3marks)
ii) Give three erosional features in the lowland areas they would have identified.	(3marks
9.a)i) A part from the Rift Valley name two other relief features that are formed as	s result of faulting. (2marks)
ii) With the aid of a well labeled diagram, describe how a Rift Valley is form	ned by tensional forces. (8marks)
b) Explain four effects of faulting	(8marks)
c) Students are planning to carry out a field study of an area affected by faulting	
i)State four reasons why it is important for the students to have a pre-visit of the	area. (4marks)
Page 28 of 63 FOR MARKING SCHEMES INBOX 0724351706	

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. (3marks)

10.	a) (i) Name three major deserts found in Africa	(3 marks)
(ii) Giv	e two processes in which wind erodes the earth's surface.	(2 marks)
(iii) Ex	plain three ways in which wind transports its load.	(6 marks).

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

(5 marks) (6 marks)

(ii) Mushroom blocks.

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

(1 mark)

(ii) Name parts marked X and Y (2 marks)

PAPER 2

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

1.	a)Name two conditions that are necessary for the formation of petroleum.	(2 marks)
	b) List three ways in which opencast mining affects the environment.	(3 marks)
2.	(a) What is soil conservation	2 marks
	(b) State three farming methods that assist in soil conservation.	(3 marks.)
3.	(a) Define the term transhumance.	(2 marks)
	(b). State three areas in Temperate world where transhumance is practiced.	(3 marks)
4.(a)	State five characteristics of softwood forest in Canada.	(5 marks)

5. The table below represents information on population change in Kenya by province between years 2000 and 2005.

Province	Population in Millions				
	Years				
	2000	2005			
Nairobi	2.229	2.751			
Central	3.882	4.038			
Coast	2.662	2.927			
Eastern	4.840	5.120			
North- Eastern	1.054	1.438			

Page 29 of 63 FOR MARKING SCHEMES INBOX 0724351706

Nyanza	4.598	4.916
Rift valley	7.386	8.366
Western	5.532	3.885
Total	30.183	33.441

- (a) Which province had the highest change in population between 2000 and 2005? (2marks)
- (b) Calculate the percentage increase in population in Kenya between 2000 and 2005. (3marks)

Q.6Anwer question six and any other two.



(a)(i). Identify the type of photograph shown above.

(2 marks)

(ii). State **three** physical factors that may have caused the phenomenon shown in the photograph. (3 marks)

(iii). Identify the nat	ural phenomen	on taking place in	n the photograph.	(1 marks)

(iv). Name **three** areas in Kenya prone to the disaster shown in the photograph. (3 marks)

b). (i) Draw a rectangle 15 cm by 12cm to represent the photograph above. (2 mark)

(ii). In the sketch, mark and name human being,

(iii) settlements.

(iv) Flooded areas

(v) Ripples.

Page 30 of 63 FOR MARKING SCHEMES INBOX 0724351706
(vi).	clouds
۰.	· 1 /·	ciouus

c). State three methods that can be used to minimize the occurrence of the phenom photograph. (3 marks)	nenon represented by the
d.(i) Differentiate between land reclamation and land rehabilitation.	(2 marks)
(ii). State two ways in which each of the following problems experienced in Mwea	· · · · · · · · · · · · · · · · · · ·
solved.	8
 Low prices of rice. 	(2 marks)
 Fluctuating water levels in the irrigation canals. 	2 marks)
7. (a) What is mining.	(2 marks).
b). Explain how the following factors influence occurrence of minerals.	
(i) Evaporation.	(2 marks)
(ii). Vulcanicity.	(2 marks)
(iii). Metamorphism.	(2 marks)
(b) (i) Apart from deep shaft mining, name three other mining methods.	(3marks)
(ii) Describe how shaft mining is carried out.	(6marks)
(c) Explain four ways in which mining contributes to the economy of Kenya.	(8marks)
8. (a)(i). What is mixed farming.	(2 marks)
(ii). Draw a sketch map of Kenya, and on it mark and name three areas where	coffee is grown.
(4 marks).	
(b)(i) State three physical conditions that favour coffee growing in the areas you h	ave shaded. (3 marks)
(ii). Name two new varieties of coffee grown in Kenya.	(2 marks)
(c). Explain four ways in which the government of Kenya assist the small-scale	
coffee farmers.	(8 marks).
d). Your geography class carried out field study in a coffee farm near the school.	(o marks).
i) State four methods the class may have used to collect data.	4 marks
	, mains
ii) During the field study the class collected data on quantities of coffee produ	ced in the farm in the last
five years. State two methods the class may have used to present the data.	

(2 marks).

9. (a). Study the map of the world provided to answer the questions that follow. The world maps indicate the major fishing ground.



(i). Name the ocean current marked X and Y.

- (ii). Name the continents marked L and N.
- (iii). Name the Countries marked P and Q.

b). Apart from the ocean currents explain **four** other factors that influence fishing where two current meets. (8 marks

c)Explain why in East Africa, fresh water fishing water in the area shaded on the map other than ocean currents.

(6marks)

d). (i). State two measures taken by Kenya government to conserve fisheries in Kenya. (2 marks)

ii) List three methods used to preserve fish.

10. (a)(i). What is energy crisis?

(ii)Apart from water, give **two** renewable sources of industrial energy. (2 marks)

The diagram below shows the occurrence of petroleum in the earths' crust Use it to answer question (a iii).



(iii). Name the substances labelled A, B, C.

(3 marks)

(b) Explain **four** benefits emanating. from rural electrification in Kenya. (8 marks) (c) (ii) Explain **three** effects that the increase in oil prices had on the economies of oil – importing countries of Africa. (6 marks)

(ii). State four ways in which Kenya can reduce the use of petroleum as a source of energy. (4 marks)

Page 32 of 63 FOR MARKING SCHEMES INBOX 0724351706

(2marks) (2 marks).

(2 marks).

(3marks)

(2 marks)

ALLIANCE GIRLS SCHOOL PAPER 1 <u>SECTION A</u> Answer all questions in this section.





Page 33 of 63 FOR MARKING SCHEMES INBOX 0724351706

	(ii) The magnitude of earthquakes.	(1mk)	
4.	(a)Identify the main characteristics of the ocean water.	(2mks)	
	(b)Give three factors that influence wave deposition.	(3mks)	
5.	(a)Name three features that make up the hydrosphere.	(3mks)	
	(b)Explain how the movement of magma causes earth movement SECTION	B	
	Answer question 6 and any other two q	uestions from this section	
6.	Study the map of Kijabe 1:50,000 provided and answer the (i)What is the appropriate height of the top of Kijabe hill?	following questions: (1mk)	
	(ii)Measure the length of Nairobi-Naivasha railway line fro 257978) to the level crossing near Kijabe station (grid refe kilometers.	(e	
	(iii)What relief features on the map may have created probl	ems in the construction of the railway lin (1mk)	ne?
	(b)Describe the drainage of the area covered by the map.	(4mks)	
	(c)Explain how relief has influenced the distribution of sett	lement in the area covered by the map. (4mks)	
	(d)Citing evidence from the map ,state four economic activ map.	ities carried out in the area covered by th (8mks)	ıe
	(e)Suppose you were a student n the school at Kinari (Kina Wakagwe forest,(i)Design a working programme (schedule) you would use		y of
		(2mks)	
	(ii)Give three reasons why it would be necessary to sample	part of the forest for the study. (2	2mks)
	(iii)State two ways in which your findings would be useful	to the local community. (2mks)	
7.	(a)(i)What is a lake?	(2mks)	
	(ii)Name two crater lakes in Kenya.	(2mks)	
	(b)Describe how each of the following lakes are formed:(i)corrie lake;(ii) oasis;	(4mks) (4mks)	
Page 3 4	4 of 63 FOR MARKING SCHEMES INBOX 0724351706		

Ρ

	(iii) lagoon	(4mks)
	(c)(i)Give three reasons why some lakes in Kenya have saline water.	(3mks)
	(ii)Explain how each of the following has affected lakes in Kenya:	
	- Deforestation	(2mks)
	- Industrialization	(2mks)
	- Water needs	(2mks)
8.	(a) (i)Name three types of faults.	(3mks)
	(ii)Apart from compressional forces, explain two other processes that n (4mks)	nay cause faulting
	(b)With the aid of diagrams, describe how compressional forces may have Great Rift Valley. (8mks)	led to the formation of the
	(c)Explain three ways in which faults is of significance to human activities	. (6mks)
	(d) suppose you are to carry out a field-study on a faulted are	
	i) State two methods you would use to collect data.	(2 mks)
	ii) Name two features resulting from faulting you are likely to obse	rve (2 mks)
9.	The diagram below represents an artesian basin. Use it to answer question Rain Artesian well	(a)
	Z Water table	
	 Y	
	(a)Identify:	
	(i)the layers marked X and Y.	(2mks)
	(ii)the process marked Z.(b)Explain how the following factors influence the amount of underground (i) rainfall;	(1mks) water in limestone areas: (4mks)
	(ii) vegetation cover.	(4mks)
	(c)(i) Apart from stalagmites, name three other underground features forme areas.	ed in limestone (3mks)

Page 35 of 63 FOR MARKING SCHEMES INBOX 0724351706

(ii) With the aid of a diagram, describe how a stalagmite is formed.	(8mks)
(d) Give three reasons why there are few settlements in Karst landscapes.	(3mks)
10. (a) (i) Name two major deserts found in Africa.	(2mks)

The diagram below represents features resulting from wind erosion in desert. Use it to answer question a (ii).



(ii)Name the features marked U and V.
(b)Describe the three processes through which wind transports its load.
(c)Using a well labeled diagram , describe how a barchans is formed.
(7mks)
(d)Explain two ways in which desert features are of significance to human activities. (4mks)
(e) You intend to carry out a field studying an arid area.
(i) Name one drainage feature you are likely to see.
(1 mk)

ii) State three problems you are likely to encounter during the study (3 mks) PAPER 2 SECTION A

Answer all the questions in this section 1. a. Name two branches of Geography.

a. Name two branches of Geography. (2mks)
 b. Outline three ways in which a student benefit from learning geography. (3mks)
 a. Define the term mining. (2mks)
 b. Describe Hydraulic mining as a method of mining. (3mks)
 a. List two factors that determine the distribution of forest in Kenya (2mks)
 b. Give three economic uses of mangrove forests. (3mks)

Page 36 of 63 FOR MARKING SCHEMES INBOX 0724351706

4.	a. Outline two biotic factors influencing agriculture.	(2mks)
	b. State three physical conditions that favour cocoa farming in Ghana.	(3mks)
5.	a. Differentiate between management and conservation of the environment.	(2mks)
	b. Outline three measures being taken by people to reduce the impact of floods.	(3mks)

Name of divisions	No. of veterinary officers
Mayasho	300
Gukaro	150
Zachocho	200
Mayayo	160
Kakasho	110
Ndikakho	80
Totals	1000

SECTION B

County. 6. Use

Calculate the percentage of number of officers in Kakasho division. i. (2mks)

- ii. Draw a divided rectangle of 10cm long to represent the number of veterinary officer per division in Narok County. (10mks)
- b. i. Give the four main Beef cattle breeds kept in Kenya. (4mks)
- ii. State three physical factors encouraging beef farming. (3mks)
- c. Outline six effort taken by Kenya government its support beef cattle farming. (6mks)



a. i. Name the canal marked U.

Page 37 of 63 FOR MARKING SCHEMES INBOX 0724351706

(1mk)

ii. Name river marked V.	(1mk)
iii. Name the town marked W.	(1mk) (1mk)
b. i. What is Industrialization?	(2mks)
	(2111KS)
ii. Name the towns in Kenya where each of the following industries are located.	(1, 1)
i. Oil refining.	(1 mk)
ii. Paper manufacturing	(1mk)
iii. Motor vehicle assembly.	(1mk)
c. i. Explain three factors which influenced the location in iron and steel industry	in the rural
region in Germany.	(6mks)
ii. Explain three factors which have favoured the development of car manufacturin (6mks)	. ,
d. You intend to carry out a field study of furniture making in the local (i) state the	ree reasons why it
would be necessary for you to visit the area of study in advance. (3mks)	•
ii. For your field study you have prepared a working schedule. State three items y	
the schedule. (2mks)	
8 a. Define the term Eco-tourism.	(2mks)
b. i. Explain five reasons why Domestic tourism should be encouraged in Kenya.	(10mks)
ii. State three problems facing tourism in Kenya.	(3mks)
c. Explain how the following factors influence tourism in Switzerland.	(JIIKS)
i. Climate	(2mls)
	(2mks)
ii. Geographical location	(2mks)
iii. Linguistic and plurality.	(2mks)
d. Explain two reasons why Switzerland receives more tourists than Kenya.	(4mks)
9a. i. Define balance of payment.	(2mks)
ii. Identify three major exports from Kenya to European countries.	(3mks)
b. Outline reasons why trade between Kenya and other African countries is not we (4mks)	ell developed.
c. Explain four reasons why a country should impose trade barriers.	(8mks)
d. You intend to carry out field study in Nakuru Top Market.	
i. Formulate the work schedule that you can use for the study.	(4mks)
ii. State the follow up activities you are likely to undertake after the study.	(4mks)
10. a. List three electric devices garget that relay through sound and pictures throu	. ,
satellites.	(3mks)
b. Explain two advantages of using the mobile phones.	(4mks)
c. Outline four problems facing the mobile users.	(4mks)
d.i. List three trans-continental roads in Africa.	(3mks)
ii. Explain three advantages of using road transport over railway transport.	(6mks)

e. Describe factors which have led to the fast growth of Rotterdam as a major seaport in Europe. (5mks)

Page 38 of 63 FOR MARKING SCHEMES INBOX 0724351706

KENYA HIGH PAPER ONE

SECTION A

Answer all the questions in this section.

1. (a) What is a Land Breeze	(2mks)
(b) Give three ways in which sea breeze influence the adjacent land.	(3mks)
 State 5 characteristics of the mantle (a) Differentiate between magnitude and intensity of an earthquake. (b) State three precautions which can be taken against earthquake destruction? (a) Give two causes of Ocean currents (b) List three reasons why Oceans tend to heat more slowly than land masses. 	(5mks) (2mks) (3mks) (2mks) (3mks)
5. (a) What is humus(b) State three ways through which humus improve the quality of a soil.	(2mks) (3mks)
 <u>SECTION B</u> Answer question 6 and any other two questions in this section. 6. You are provided with a map of Kijabe East Africa 1: 50,000(KENYA) sh answer the following questions. a) (i) Give the six figure grid reference of the trigonometrical station (2610m) (ii) What is the general flow of River Gatamaiyu 	eet 134/3, use it to (2mks) (2mka)
b) (i) measure the length of Nairobi-naivasha railway to the west of easting 27a your answer in kilometers .(2m (ii)Citing evidence from the map, identify three social services offered in the ar (6m	iks) rea covered by the map
 c) (i) Explain three physical factors favouring cattle rearing in the area covered by the map. (ii) Identify three physical features found at grid square 2695 d) (i) On the graph paper provided draw a rectangle measuring 12cm by 8cm to bordered by Easting 26 and 29 and northing 94 and 96 (2m) 	(6mks) (3mks) o represent the area
(ii) On it mark and label	
 All weather road loose surface Power line 7. (a) (i) State two processes of wind erosion in the desert areas (ii) Give three reasons why wind action is effective in the hot deserts. (iii) With aid of well labelled diagrams describe the formation of Yardangs. (b) i)State two factors that influence the transportation of materials in the desert 	(1 mk) (1 mk) (2mks) (3mks) (7mks) t by wind (2mks)
(ii)Give three processes through which wind transport materials in desert	(3mks)

Page 39 of 63 FOR MARKING SCHEMES INBOX 0724351706

(iii)Name two features that are formed due to action of water in deserts.	(2mks)
c) Explain three positive effects of desert landforms to human activities	(6mks)
 8. (a) i) List two effects of horizontal earth movements (ii) Give three causes of earth movements b) i) Name and describe three types of plate tectonic boundaries 	(2mks) (3mks) (6mks)
(ii) Name three types of folds	(3mks)
 c) With aid of well labelled diagrams, describe the formation of fold mountains d) State four significance of folding to the human and physical environment. 9. a) Define the following term; 	(7mks) (4mks)
 i) water table – ii) aquifer – b) Explain how the following factors influence the occurrence of underground water. 	(2mks) (2 mks)
i) Nature of the rockii) Gradient of the land	(2mks) (2mks)
c) State four conditions that are necessary for the formation of an artesian welld) (i) Explain three conditions that are necessary for development of Karst Scenery	(4mk) (6mks)
(ii) Give two reasons why there are few settlements in karst region	(2mks)
e) Students carried out a field study in a karst landscape.	
(i) State two methods they would have used to record data(ii) State three importance of studying a karst landscape through field work.	(2mks) (3mks)
 10. (a) i) What is ice sheet (ii)Explain the reason why there are no ice -sheets in Kenya b) Describe the formation of a pyramidal peak. C) i) Name three types of moraine 	(2mks) (2mks) (5mks) (3mks)
(ii) Explain four effects of glaciated features in upland areas.d) Students from a school near Mt. Kenya were planning to carry out a field study on the glaciated features on the mountaini) Give three reasons why it would be difficult to undertake the field study on glaciated	(8mks)
features on the mountain	(3mks)
ii)Highlight two methods of collecting data they would have used PAPER TWO	(2mks)
SECTION A: 25 MARKS	
Answer all the questions in section A.	

- 1. a) State two differences between a national park and a game reserve.(2 mks)
 - b) State three importance of domestic tourism.(3mks)
- 2. a) Name two tree species of coniferous forests.(2mks)

Page 40 of 63 FOR MARKING SCHEMES INBOX 0724351706

- b) Give three characteristics of tropical hardwood forests that hinder their exploitation. (3mks)
- 3. a) Outline three problems facing wheat growing in Canada.(3 mks)
 - b) List two exotic beef cattle reared in Kenya. (2 mks)
- 4. a) Differentiate renewable and non-renewable source of energy.(2mks)
 - b) State three problems experienced due to over-dependence on petroleum oil (3mks)
- 5. a) Name two types of manufacturing industries in Kenya.(2 mks)

b) State three problems facing jua-kali industries in Kenya (3mks)

SECTION B: 75 MARKS

ANSWER QUESTION 6 AND ANY OTHER TWO

6. The table below shows crop production in Kenya for a period of five years in 1000 kilograms. Use it to answer question (a)

CROP/YEAR	2005	2006	2007	2008	2009
Coffee	1000	900	800	700	800
Теа	700	700	600	680	600
Cotton	500	400	300	600	350
pyrethrum	300	200	300	440	450

(a) (i) Using a scale of 1 cm represent 200 kilograms present the above data using a compound bar graph.(9 marks)

(ii) List two advantages of using a compound bar graph to represent statistical data. (2 marks)

- (b) (i)Other than Port harcout, name other towns associated with oil palm growing in Nigeria .(2 Marks)
 - (ii) State three physical conditions that favor the growth of oil palm in Nigeria. (3 marks)
- (c) Describe the cultivation of oil palm from land preparation to harvesting. (6 marks)

(d) Give three uses of palm oil.

(3 marks)

7. The world map below shows the major fishing grounds

Page 41 of 63 FOR MARKING SCHEMES INBOX 0724351706

24	33	< 12 5°	Fry	
200		and a fait	São São	
	52.00	For S	MARA	
	< z	Sa		ð

(a) Name the

(i) Ocean currents marked P and Q	(2mks)
(ii) Three types of fish caught at the coast of Canada	(3mks)
(b) Explain how the following factors favour fishing in Japan	
(i) Ocean current	(4mks)
(ii) Nature of the coastline	(4mks)
(iii) Level of technology	(2mks)
(c) Describe how purse seining method is used in fishing	(7mks)
(d) Give three methods used to preserve fish	(3mk)

The table below shows the quantity of mineral produced in Kenya in tones between years 2001 and 2005.
 Use it to answer questions a(i) and (ii).

Mineral / Years	2001	2002	2003	2004	2005
Soda ash	297780	304110	352560	353835	360161
Fluorspar	11885	85015	80201	117986	109594
Salt	5664	18848	21199	31139	26595
Others	6093	7000	4971	6315	8972

Source: Economic Survey, 2006.

i)	Calculate the average production of soda ash over five year period.	(2 Marks)
ii)	Calculate the total mineral production for the year 2003.	(1 Mark)
iii)	Give three uses of soda ash.	(3 Marks)

Page 42 of 63 FOR MARKING SCHEMES INBOX 0724351706

b) i) Name the main places in Kenya where the following minerals are mined: -

a) Flourspar

b) Titanium

c) Gold (3 Marks) ii) State **two** problems associated with shaft mining. (2 Marks) c) Explain four ways in which gold mining has contributed to the economy of South Africa. (8 Marks) Explain three negative effects of mining on the environment. (6 Marks) d) 9. (a) i) Apart from geothermal power, name three other renewable sources of energy in Kenya (3mks) ii. State four factors that limit exploitation of geothermal power in Kenya (4mks) (b). i. Give three factors considered when setting up an hydroelectric power generating plant (3mks) ii. List three advantages of electricity over other sources of energy (3mks) c)i) What is energy crisis (2mks)ii. Give two causes of energy crisis (2mks) d. Explain four effects of energy crisis to the economy of a developing country (8mks) 10. Below is a sketch map showing Lake Victoria. Use it to answer question (a)



a) i)	Nar	ne the ports marked P, Q, R, S	(4mks)
	ii)	Give four advantages of air transport over water transport.	(4mks)
b)	i)	Name three types of communication.	(3mks)

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

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

Page 43 of 63 FOR MARKING SCHEMES INBOX 0724351706

MASENO SCHOOL

PAPER 1

SECTION A Answer ALL questions in this section

1.	Explain the two relationships between geography and physics.	(4 marks)
2.	State five proofs that the earth is spherical.	(5 marks)
3.	a) What is an air mass.	(2 marks)
	b) Give four characteristics of the intertropical convergence zone (ITCZ)	(4 marks)
4.	a) Differentiate between hot springs and geysers.	(2 marks)
	b) State three ways by which calderas may be formed.	(3 marks)
5.	a) What is green house effect.	(2 marks)
	b) Give three gases contributing to green house effect.	(3 marks)

SECTION B

Answer question 6 and ANY OTHER TWO questions in this section

	Answer question 6 and ANY OTHER TWO questions in this section	
6.	a) Study the map of Busia 1:50,000 (sheet 101/1) provided and answer the following question	s.
	i) What is the title of the map?	(1 mark)
	ii) Give the height of the highest point in the area covered by the map.	(2 marks)
	iii) Calculate the latitudinal extend of the area covered by the map.	(2 marks)
	iv) Identify three human made features on grid square 3836.	(3 marks)
	b) Citing evidence, give three economic activities carried out in the area covered by the map	.(3 marks)
	c) Explain four reasons why the region to the west of easting 27 is densely settled.	(8 marks)
	d) Describe the drainage of the area covered by the map.	(6 marks)
7.	a) Differentiate between river capture and river rejuvenation	(2 marks)
	b) i) State three factors which facilitate river erosion.	(3 marks)
	ii) Name two types of deltas	(2 marks)
	c) With the aid of well labelled diagrams, describe how ox-bow lakes are formed.	(8 marks)
	d) i) What are rivers braids.	(2 marks)
	ii) Describe four processes through which a river transports its load.	(8 marks)
8.	a) What is natural vegetation?	(2 marks)
	b) i) Give the type of grassland vegetation found in the following countries.	
	- New Zealand	

- Argentina
- South Africa.

Page 44 of 63 FOR MARKING SCHEMES INBOX 0724351706

		ii) Describe the characteristics of tropical rainforests vegetation.	(6 marks)
	c)	Explain four uses of mountain vegetation.	(8 marks)
	d)	You are to carry out a field study on the forest vegetation around Mau region.	
		i) State two reasons why6 it is necessary to have route map.	(2 marks)
		ii) Give two reasons why you need a tape measure.	(2 marks)
		iii) Identify two challenges you might encounter during the course of the field study.	(2 marks)
9.	a)	i) What is a soil.	(2 marks)
		ii) Give three components of soil.	(3 marks)

b) The diagram below shows different layers of soil. use it to answer question b(i), (ii), (iii)



	i) Name the soil layers B,C,.D	(3 marks)
	ii) Give two main processes of soil formation which takes place in horizon A.	(2 marks)
	iii) State four characteristics of soil in horizon B.	(4 marks)
c)	Explain how the following helps in maintenance of soil fertility and quality.	
	- Crop rotation	(2 marks)
	- Mixed farming	(2 marks)
	- Bush fallowing	(2 marks)
d)	State five significance of soils to human activities.	(5 marks)
10. a)	What is a lake.	(2 marks)
b)	i) Name two saline lakes within the Rift valley of Kenya.	(2 marks)
	ii) Explain four reasons why some lakes within the R.Valley have fresh water.	(8 marks)
c)	Explain three negative significance of lakes to human activities.	(6 marks)
d)	Form three students of Butuk secondary school carried out a field study around lake Victor	oria.
	i) Name the type of breeze they most likely experienced.	(1 mark)
	ii) Give two economic activities	
	iii) State two methods they used in recording data.	(2 marks)

Page 45 of 63 FOR MARKING SCHEMES INBOX 0724351706

PAPER 2

SECTION A.

Answer all the questions in this section

1.	(a) Name two breeds of dairy cattle reared in Kenya.	(2mks)
	(b) State three factors which favour dairy farming in Denmark.	(3mks)

2. (a) State three physical factors which influence the location of settlements. (3mks)(b) Use the sketch map below to answer questions (i) and (ii)



Name the main settlement pattern in

(i)	the northern part of the area represented by the map.	(lmk)
(ii)	the southern part of the area represented by the map.	(1mk)

3(a) State three reasons why marine fisheries in Kenya are underdeveloped. (3mks)(b) State three ways through which fish farming contributes to the economy of Kenya. (3mks)

4(a) Name two conditions that are necessary for the formation of petroleum. (2mks)(b) List three ways in which open-cast mining affects the environment. (3mks)

5. State four factors that have influence the development of industries in Eldoret town (4mks)

SECTION B

Answer question 6 and any other two questions in this section

6. The table below shows the various modes of transport used by tourists visiting Kenya between the years 2006 and 2009. Use it to answer the following questions.

Mode of	YEARS			
transport				
	2006	2007	2008	2009
Road	100,000	50,000	150,000	200,000
Air	600,000	650,000	700,000	800,000

Page 46 of 63 FOR MARKING SCHEMES INBOX 0724351706

Water	200,000	150,000	100,000	50,0000	
	· · · ·			n year 2008 and 2009.	(3mks)
		-		n rep. 100,000 tonnes.	(8mks)
(b) (i) Explain	n any four roles play	ved by transport in the	ne economy of Keny	ya. (8mks)	
(ii) State t	wo problems that fa	ce the construction	of trans-continental	highway in Africa.	
(2mks)					
(c) Students f	rom your class visit	ed Kisumu airport f	or a field study		
i) Id	entify two methods	they used to record	their data	(2mks)	
ii) G	ive two follow up a	ctivities they engage	ed in	(2mks)	
7. (i) What is indu	strialisation.			(2mks)	
(::) NI				- 4- J	
i) Oil re	•	n one of the followin	ig industries are loc	(1mk)	
,	manufacturing.			(lmk)	
· •	vehicle assembly.			(lmk)	
	ctors which influen	ced location of iron	and steel industry i	n the Ruhr region of Ge	ermany.
(8mks)					
C(i) Give five reas	sons why developm	ent of Jua kali indus	try is encouraged in	Kenya (5mks)	
	• •		•	; industries in Kenya.	
(3mks)					
1) Ctata farmana	·			(41	
<i>,</i> .		rialisation to a count wer apart from wate	•	(4mks	
	-	-	. ,	ts along river Tana. (4n	nks)
		2		C X	,
	•	ch Kenya has benefi	1	ent of seven folks hydro	electric power
schem		as a source of powe	(8mks)	(2mks)	
	-	as a source of powe		(3mks) leum (6mks)	
, 1 1	t by overpopulation		ependence on peuo	(2mks)	
	ya population differ			(4mks)	
, 1		population distributi	•	(8mk)	
		list three other types	s of migrations in K	•	
· / ·	auses of rural-rural	migration. vouring beef farmin	g in Argentina.	(8mk) (4mks)	
		es of beef farming in	0 0	(4mks)	
		study on a beef farm	-	(111110)	
		epared for the study.		(3mk)	
	pes of beef breeds t			(3mks)	
•	•	studying beef farmin	ng in a field study	(3mks)	
			ng m a neiu study.		
	blems facing beef			(8mks).	
Page 47 of 63 FOF	R MARKING SCHEI	MES INBOX 07243	51706		

NAIROBI SCHOOL

PAPER 1

SECTION A

ANSWER ALL QUESTIONS IN THIS SECTION

1ai. What is a galaxy? (2m)

ii. ______ is a branch of Physical Geography that deals with landforms. (1m)

b. How does Geography encourage time management? (2m)

2a. The diagram below shows a volcanic feature. Study it and answer the questions that follow.



i. Identify and name the feature. (1m)

ii. Name the parts marked **Q** and **R**. (2m)

b. Differentiate between a laccolith and a sill. (2m)

3a. what does the term 'mixed stand of trees' mean when describing characteristics of vegetation. (2m)

b. State three examples of temperate grasslands and where they are found. (3m)

4a. Differentiate between steam fog and orographic fog. (2m)

b. Identify and name three types of cold climate. (3m)

5a. identify and name two types of chemical weathering. (2m)

b. State three significances of weathering. (3m)

SECTION B

ANSWER QUESTION 6 AND ANY OTHER TWO QUESTIONS FROM THIS SECTION

6. Study the map Busia sheet 101/1 1:50000 provided and answer the questions that follow.

- i) Give the magnetic declination of the map . (1mk)
- ii) Identify one human feature in grid square 3533. (1mk)
- iii) Give six-grid reference of the chief's house near Funyula market (2mks)
- iv) Give the height of Busenda Hill.(2mks)
- v) Find the direction and bearing of Bujuimba School from Odiado market. (3mks)

Page 48 of 63 FOR MARKING SCHEMES INBOX 0724351706

b) Describe the relief of the area covered by the map. (4mks)

c) Reduce by half the area enclosed by easting 27 and 34 and northing 30 and 38. (3mks)

On it mark and name

- Riverine trees (1mk)
- Air photo principal point(1mk)
- all weather road bound surface C526(1mk)

d) Citing evidence from the map, explain three factors influencing trade in the area covered by the map. (6mks)

Q7. a) i) What is a limb in a fold? (2mks)

ii) Explain how Fold Mountains are formed according to convectional theory (3mks)

b) i) Differentiate between orogeny and orogenesis (2mks)

ii) State three factors influencing folding of sedimentary rocks. (3mks)

c) i) Use the world map provided and answer the questions that follow.



Name mountain ranges marked U, V, W, X, Y and Z (6mks)

ii) Draw a well labeled diagram of anticlinorium and synclinorium (3mks)

d) Explain three ways in which fold mountains influence climate in a region. (6mks)

Q8ai. Define endogenic processes. (2m)

ii. State three causes of earth movements. (3m)

bi. Apart from the jigsaw fit of continents name three evidence that support the continental drift theory. (3m)

ii. According to the plate tectonics theory explain what happens along the compressional boundary. (6m)

Page 49 of 63 FOR MARKING SCHEMES INBOX 0724351706

c. Below is a diagram showing a plate boundary. Study it and answer the questions that follow.



i. identify and name the type of boundary. (1m)

ii. Give an example of such a boundary. (1m)

iii. State three negative effects of movement along the boundary on the human environment. (3m)

d. Explain three positive significance of plate tectonics. (6m)

Q9ai. Define the term coast. (1m)

ii. The diagram below shows some relief features of the ocean floor, study it carefully and use it to answer the questions that follow



- ii. Identify the features labelled H, I and J. (3m)
- b. Name three processes by which coasts erode. (3m)
- c. With aid of well labelled diagrams, explain how an Atoll is formed. (5m)

Page 50 of 63 FOR MARKING SCHEMES INBOX 0724351706

d. The diagram below represents a coastal landscape. Identify the features marked K, L M. (3m)



e. Form 4 students form a school carried out a field study on coastal features found along the coast of Kenya

i. Name three features as a result of coastal emergence that they are likely to have studied. (3m)

ii. State three methods the students used to record their data. (3m)

iii. Describe two ways in which features resulting from coastal submergence are of significance to Kenya. (4m)

- 10. a) i) Name three types of glacier. (3mks)
 - ii) State three factors influencing ice movement. (3mks)
 - b) Explain two processes of glacial erosion. (4mks)
 - ii) Draw a well labeled diagram of a crag and tail. (3mks)
 - c) With aid of a well labeled diagram, explain the processes involved in formation of a corrie lake. (5mks)
 - d) Students from a school went out for a field study on glaciation on Mt. Kenya.
 - i) Give two reasons why they would need a route map. (2mks)
 - ii) State three methods they are likely to use to collect data during the field study. (3mks)
 - ii) What two problems are the students are likely to encounter during the study. (2mks)

PAPER 2

SECTION A

Answer **all** the questions in this section.

1. (a) (i) Define Geography.	(2 mark)
(ii) Name two branches of Geography	(2 marks)
(b) State two reasons why it is important to study Geography.	(2 marks)
2. (a) Name two breeds of dairy cattle reared in Kenya.	(2 marks)
(b) State two factors which favour dairy farming in Denmark.	(2 marks)

Page 51 of 63 FOR MARKING SCHEMES INBOX 0724351706

- 3. (a) State **two** physical factors which influence the location of settlements.
- (2 marks)

4. The diagram below shows shaft mining.

Conveyor belt Screen House Truck F	
(i) Name the parts marked E, F and G. (ii) State two problems associated with shaft mining.	(3marks) (2marks)
(b) State two factors which influence the occurrence of minerals.	(2 marks)

Turn over

5. (a) (i) Define the term eco-tourism.	(2 marks)
---	-----------

(ii) Name two tourist attraction found in the Rift valley province of Kenya.	(2 marks)
(c) Give two reasons why domestic tourism is being encouraged in Kenya. SECTION B	(2 marks)

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

6. Study the table below that shows crop production in Kenya between 1978 and 1982 and

answer question (a).

CROP/YEAR	1978	1979	1980	1981	1982
Coffee	1000	990	870	850	840
Tea	750	700	650	700	600
Pyrethrum	300	250	350	400	450
Cotton	500	450	550	600	350

Page 52 of 63 FOR MARKING SCHEMES INBOX 0724351706

	Others	550	300	300	350	300		
	Croj	p production i	n 000' kilogi	rams				
(a) (i	(a) (i) Draw a divided bar 15cm long to represent the crop production in Kenya in 1978.							
							(8 marks)	
(i	i) Calculate the J	percentage dec	rease in tea p	roduction bet	ween 1978 ar	nd 1979.	(2 marks)	
(b) (i	i) Name two rese	earch stations t	hat produce r	naize in Keny	/a.	(2 marks)	
(i	i) Name two cor	nmon pests tha	at attack maiz	e in Kenya.			(2 marks)	
(c) [Describe how the	following con	ditions influe	nce the grow	ing of maize;			
	Topography						(3 marks)	
	Soils						(3 marks)	
(d) [Describe the proc	essing of maiz	e in Kenya.				(5 marks)	
	7. (a) (i) What i	is Agroforestry	<i>"</i> ?				(1 mark)	
(ii) Give four rea	sons why affor	restation is be	eing encourag	ed in Kenya.	(4 marks)	
(b) (i	i) List two factor	rs that determin	ne the distribu	ution of forest	s in Kenya.		(2 marks)	
(ii) Give two eco	nomic uses of	mangrove for	ests.			(2 marks)	
(c) (i) Compare forestry in Canada and Kenya under the following sub – headings.								
	Tree harvesting	g.					(2 marks)	
	Transportation	of logs.					(2 marks)	
(d) E	Explain three pro	blems that affe	ect forestry in	ı Canada.			(6 marks)	
(e) Y	You are supposed	d to carry out a	i field study o	n Agroforest	ry in the area	around you	ır school.	
	(i) State three re	asons why it w	yould be nece	ssary to visit	the area befor	•		
(study. ii) Give three sig	gnificance of a	groforestry y	ou are likely	to identify du	ring the stu	-	
(3 marks) 8. (a) (i) A part from draining swamps, state two other methods used in reclaiming land in Kenya. (2 marks)								
	(ii) State three b	penefits that re	sulted from re	eclamation of	the Yala swa	imp. (3 marks)	
(b)	(i) Draw a map o	of Kenya;					(2 marks)	
Page 5	(ii) On the map 3 of 63 FOR MAR	-	0					

Perkerra irrigation scheme	(1 mark)
Mwea Tebere irrigation scheme	(1 mark)
River Tana	(1 mark)
(c) Describe the stages in the reclamation of land from the sea in the Netherlands.	(7 marks)
(d) Explain four benefits of land reclamation in the Netherlands.	(8 marks)

9. 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 .	(2 marks)
(ii) Name one types of fish caught along the west coast of country Q.	(1 mark)
(iii) Name two methods of fishing used in the shaded areas.	(2 marks)
(iv) Explain three conditions that favour fishing in the shaded coastal waters.	(6 marks)
(b) Explain four ways in which marine fisheries in Kenya can be conserved.	(8 marks)
(c) Explain three problems experienced by fishermen while fishing in Lake Victo	
10. (a) Define the following terms;	(6 marks)
overpopulation	(1 mark)
optimum population	(1 mark)
(b) How does Kenya's population differ from that of Sweden?	(4 marks)

Page 54 of 63 FOR MARKING SCHEMES INBOX 0724351706

(c) The population pyramid below represents the population structure of a country.



Describe the characteristics of the population as represented by the pyramid.(4 marks)(d) Explain four factors that influence population distribution in Kenya.(4 marks)(e) (i) A part from rural – rural migration, list three other types of migrations in Kenya.(3 marks)(ii) Explain four causes of rural – rural migration in Kenya.(8 marks)

Page 55 of 63 FOR MARKING SCHEMES INBOX 0724351706

BAHATI GIRLS PAPER 1 SECTION A

Answer ALL the questions in this section

1. The diagram below shows the internal structure of the earth. Use to answer question (a) and (b).



(a) Identify:

	(i) the layer marked P .	(1 mark)
	(ii) the zone of discontinuity marked Q .	(1 mark)
	(b) Give four characteristics of the core.	(4 marks)
2.	(a) What is a metamorphic rock?	(2 marks)
	(c) Give the metamorphic rock that form when the following rocks are	
	metamorphosed:	
	(i) Granite	(1 mark)
	(ii) Limestone	(1 mark)
3.	(a) Name two main continental plates.	(2 marks)
	(d) Describe how a subduction zone is formed.	(3 marks)
4.	Use the diagram below to answer question (a)	

Page 56 of 63 FOR MARKING SCHEMES INBOX 0724351706



(b)Give **three** ways through which a lake is formed. (3 marks)

SECTION B: Answer Question six and any other Two Questions in this section. (75MKS)

- 6) Study the map of Kijabe (1:50000) sheet 134/3 provided and answer the questions that follow
- a) i) What type map of is Kijabe extract? (1mk)
- ii) Convert the map scale into statement scale (2mks)
- b) i) Measure the length of the railway line to the west of Easting 30 in kilometres. (2mks)

ii) Give six digit grid reference of the forest guard post. (2mks)

c) Draw a square measuring 10cm by 10cm to represent the area enclosed by easting 30 and 40 and northings 90 and 00. (2mks)

On it mark and label;

Thicket vegetation (1mk)

Railway line (1mk)

Bore hole (1mk)

• River upper Ewaso Kedong (1mk)

d) Describe the relief of the area shown by the map (5mks)

- e) i) Explain two factors influencing dairy farming in the area covered by the map (4marks)
 - ii) Citing evidence from the map, state three functions of Kijabe town (3mks)
- 7 a) i) What is a weather station? (2mks)
- ii) State four factors influencing the siting of a weather station. (4mks)

Page 57 of 63 FOR MARKING SCHEMES INBOX 0724351706

- b) Explain how the following factors affect temperature
- Aspect (2mks)
- Ocean currents (2mks)
- Altitude (2mks)
- c) Study the diagram below and use it to answer the questions that follow.



i) Label the parts marked X, Y and Z

(2mks)

(3 marks)

- ii) Identify areas in Western Kenya where the phenomenon shown in the diagram above. Commonly occurs. (1mks)
- c) With aid of a well labeled diagram, explain formation of relief rainfall. (6mks)
- d) Give four reasons why weather forecasting is important. (4mks)

8.a (i) Explain two causes of faulting (4marks)

(ii) Identify two types of faults (2marks)

b) With the aid of well labelled diagrams, describe the formation of the rift valley by compressional forces (8marks)

- c) Identify two examples of block mountains in East Africa (2marks)
- d) Explain two effects of faulting on drainage (4marks)
- e) Your class conducted a field study at the Great Rift Valley.
 - i) State three reasons why it was important to seek for permission (3marks)
 - ii) Give two methods you used to collect data (2marks)
- 9. (a) (i) Define the term glaciation. (2 marks)
 - (ii) Name **three** types of glaciers.

Page 58 of 63 FOR MARKING SCHEMES INBOX 0724351706

(iii) Give two reasons why there are no glaciers in Kenya. (2 marks)
(b) Explain how each of the following factors influence the movement of a glacier:

(i) Gradient of the slope.
(3 marks)

- (ii) Temperature change (3 marks)
- (c) Using a well labelled diagram, describe how a corrie lake is formed. (8 marks)
- (d) (i) The diagram below shows the type of moraines:



Name the type of moraine marked K and N.(2 marks)(ii) State two negative effects of glaciation in lowland areas.(2 marks)

10. (a) Name any two cold deserts in the world. (2 marks)

(b) Describe three factors that influence wind transportation in desert areas. (6 marks)

- (c) With the aid of well labelled diagrams, describe how a zeugen is formed. (8 marks)
- (d) Give any three features formed by water erosion in desert landscapes. (3 marks)
- (e) Explain three ways in which desert features are of significance to human activities. (6 marks)

PAPER 2

SECTION A: Answer all questions in this section

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

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

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

b) Give two benefits that resulted from reclamation of Yala Swamp (2mks) Page **59** of **63 FOR MARKING SCHEMES INBOX 0724351706** 3 a) Name two breeds of cattle kept by nomadic pastoralists in Kenya. (2mks)

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

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

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

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

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

SECTION B

Answer question 6 and any other two questions from this section

6. The table below shows the value of cash crops in Kenya shilling millions. Use to

answer question (a).

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

- (a) (i) Using a vertical scale of 1cm to represent 1,000,000,000 shillings, draw a comparative bar to represent the data above. (8 marks) (ii) Apart from comparative bar graphs, name **two** other methods that can
 - be used to represent the above data. (2 marks)
- (b) (i) Name **two** Counties where coffee is grown on large scale in Central Kenya. (2 marks) (ii) Describe the stages in the cultivation of coffee from land preparations
- to the harvesting stage. (7 marks)

(c) Explain three problems that faced by small scale coffee farmers in Kenya. (6 marks) (2 marks)

- 7. (a) (i) What is fish farming?
- (ii) State three reasons why fish farming is encouraged in Kenya. (3 marks)
- (b) The diagrams below shows some fishing methods. Use it to answer the question below.



Page 60 of 63 FOR MARKING SCHEMES INBOX 0724351706



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

(2 marks)

- (ii) Describe the fishing method marked V in the diagram above is used to catch fish. (6 marks)
- (c) The map below shows the main fishing grounds in the world.



- (i) Name the fishing ground marked **P**.
- (ii) Identify the country marked S.

marked P.

- (1 mark) (1 mark)
- (iii) Explain **three** physical factors which favour fishing in the fishing ground

(6 marks)

Page 61 of 63 FOR MARKING SCHEMES INBOX 0724351706

(d) State four problems facing fishing marine fishing in Kenya. (4 marks)
8 a) i) What is mining? (2mks)
ii) Give two formations in which mineral ores occur (2mks)

- b) Explain how the following factors influence the exploitation of minerals
 - i) Quality of the ore (2marks)
 - ii) Level of technology (2marks)
- c) Describe the dredging mining method (4mks)
- d) i) State three uses of soda ash (3marks)
 - ii) Explain two problems facing soda ash mining at Lake Magadi in Kenya (4mks)

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

9. (a) (i) Other than wind, name two other sources of renewable energy	gy. (2 marks)
(ii) Name one main wind power station in Kenya.	(1 mark)
(iii) State three advantages of using wind as a source of energy.	. (3 marks)

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



- (i) Name the dams marked W and Z. (2 marks)
- (ii) Explain three physical factors that influenced the location of the Seven

Forks HEP project.	(6 marks)
(iii) State three economic benefits of the Seven Forks HEP project.	(3 marks)
Page 62 of 63 FOR MARKING SCHEMES INBOX 0724351706	

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

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

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

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

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

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

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

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

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