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KIHARUKAHURO DISTRICT JOINT EXAMINATION - 2014

Kenya Certificate of Secondary Education **GEOGRAPHY** PAPER 1

TIME: 2¾ HOURS

## **INSTRUCTIONS TO CANDIDATES:**

- (a) This paper has **two** Sections **A** and **B**.
- (b) Answer all the questions in Section A.
- (c) Answer question 6 and any other two questions from Section B.
- (d) All answers must be written in the answer booklet provided.
- (e) Candidates should check the question paper to ascertain that all the papers are printed as indicated and no questions are missing.

Geography Paper 1

**Turnover** 

	SECTI	ON A:  Tall questions from this section at the action of the section of the secti						
Answer all questions from this section								
1.	(a)	What is a line of longitude?	(2mks)					
	(b)	Give three reasons why the earth has a spherical shape.	(3mks)					
2.	(a)	Differentiate between magma and lava.	(2mks)					
	(b)	State <b>three</b> characteristics of a composite volcano.	(3mks)					
3.	(a)	Sistinguish between weathering and mass wasting.	(2mks)					
	(b) St. (a)	State <b>three</b> physical conditions that may influence landslides.	(3mks)					
S.	yee.							
4e 5	(a)	State <b>three</b> ways in which wind transport the load.	(3mks)					
Ç	(b)	Briefly describe carbonation as a process of chemical weathering.	(3mks)					
5.	(a)	What is vegetation?	(2mks)					

## **SECTION B:**

(b)

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

Study the map of Karatina 1: 50,000 (Sheet 121/3) provided and answer the 6. following questions.

State **three** ways in which climate influences desert vegetation.

- Name **two** methods that have been used to show relief on the map. (2mks) (a) (i)
  - What is the magnetic variation of the map of Karatina provided? (ii) (1mk)
  - Give the latitudinal extent of the area covered by the map extract. (iii) (2mks)
- Reduce the area to the East of Easting 93 and North of Northing 56 (b) (i) by half. (1mk)

On the reduced map, mark and name the following:-

- Mt. Kenya forest. (1mk)

(2mks)

- District boundary. (1mk)
- (ii) What is the scale of your reduced map? (2mks)
- (c) Citing evidence from the map, state four economic activities in the area. (4mks)
- (d) Describe the drainage of the area covered by the map. (5mks)
- Citing evidence from the map explain three factors that favour growing of (e) tea in Karatina area. (6mks)

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7.	(a)	(i) Differentiate between weather and climate.										(2	(2mks)				
		<ul> <li>(ii) Describe how the following conditions influence climate of a place.</li> <li>Altitude.</li> <li>Ocean currents.</li> </ul>										(2	2mks)				
	(b) The table below represents rainfall and temperature of station Y. Use it to answer questions (i) and (ii).																
		Station Y  Months J F M A M J J A S O N								N	D						
			erature °C	30	31	31	31	30	29	28	29	29	29	29	30		
		( ) ·	M (mm)	250	250	325	300	213	25	25	25	100	275	380	200		
	Calculate the mean annual range of temperature of the station.										(2	(2mks)					
	4CSE	(ii)												(2	2mks)		
&.	(iii) Calculate the average rainfall for station Y.										(2mks)						
vote	Calculate the mean annual range of temperature of the station.  (ii) Calculate the annual rainfall for station <b>Y</b> .  (iii) Calculate the average rainfall for station <b>Y</b> .  (c) Describe the climatic characteristics of station <b>Y</b> .										(6mks)						
	(d)	(i)	Using a we	ell lab	elled o	liagran	n, desc	ribe ho	w rel	ief ra	infall	is for	med.	(6	ómks)		
	(ii) State <b>three</b> significance of weather forecasting to human activities									es.	(3mks)						
8.	(a)	(i) What is a lake?											(2	2mks)			
	(ii) Name <b>three</b> ways through which lakes are formed.								(3mks)								
		(iii) List <b>three</b> sources of Lake Water.												(3	Bmks)		
	(b)	By use	e of a diagra	m des	scribe l	how L.	Victor	ia was	form	ned.				(4mks)			
	(c) Explain <b>two</b> reasons why some Lakes in the Rift Valley have fresh v									h wate	er. (4mks)						
	(d)	State <b>three</b> economic significance of Lakes. (3													3mks)		
	<ul><li>(e) Students from your school intends to carry out a field study on Lakes.</li><li>(i) State two objective for their study.</li></ul>											(2	2mks)				
		<ul><li>(ii) Identify two methods they will use to record the data collected.</li></ul>													2mks)		
		(iii) Which human activity might they have found to be affecting the Lake								Lakes							
9.	(a)	(i)	What are t	ides?										(2	2mks)		
	` /	(ii) Give <b>three</b> causes of ocean currents.											3mks)				
		(iii)												·	Bmks)		
	(b)	(i)	State three	e char	acteris	tics of	subme	rged lo	owlan	d Co	ast of	Africa	a.	(3	Bmks)		

With the aid of well labelled diagrams, describe the process through which a stack is formed.

(8mks)

(6mks)

(c)

(ii)

Explain **three** factors that determine the rate of Coastal erosion.

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10.	(a)	(i) What is soil catena? (2)	2mks)
		(ii) State <b>three</b> characteristics of the soils found in the arid regions. (3)	3mks)
	(b)	Give <b>three</b> factors that determine the colour of the soil. (2	3mks)
	(c)	Describe how laterization occurs.	6mks)
	(d)	Explain how the following – farming practices cause soil erosion.	
		(i) Burning. (2	2mks)
		(ii) Continuous application of fertilizer. (2	2mks)
		( <del>)</del>	2mks)
	(-)		
	(e)	Students from your school intend to carry out a field study on soils.	
	^	Give <b>two</b> equipments or materials they are likely to carry to facilitate	
	4CSE	their study. (2)	2mks)
ر م	e KCSE	(ii) State <b>three</b> follow-up activities they will be involved in.	3mks)