312/1 **GEOGRAPHY** PAPER 1 **TIME: 2¾ HOURS**

FOT NOT

are visit www.freekceepastpapers.com **CENTRAL KENYA NATIONAL SCHOOLS** (CEKENAS) JOINT EXAMINATION - 2015

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.
- (f) Candidates should answer the questions in English.

			COT					
			apets					
	Answer all questions from this section.							
	1.	(a)	(i) What name is given to the shape of the earth?	(1mk)				
			(ii) Give the two dates in a year when the hours of darkness are equal to the hours of light at the poles.	(2mks)				
		(b)	State \mathbf{two} reasons why the interior of the earth is believed to be hot.	(2mks)				
	2.	(a)	Give three examples of chemically formed sedimentary rocks.	(3mks)				
FOTNOT	ET CC	465)°	Mention three changes that occur to sedimentary rocks when exposed to great heat and pressure.	(3mks)				
	çe 3.	(a)	Give three reasons why it is important to study the plate tectonics theory.	(3mks)				
		(b)	Name two fold mountains formed during the alpine orogany	(2mks)				
	4.	(a)	Differentiate between soil profile and soil catena.	(2mks)				
		(b)	Give three components of soil apart from humus.	(3mks)				
	5.	State	four ways in which the earth's crust is affected by earthquakes.	(4mks)				
		SECTION B:						
		Answer question 6 and any other two questions from this section.						
	6.	(a)	(i) What kind of a map is the Karatina map sheet.	(1mk)				

- (ii) Measure the length of Road D451 from the junction grid reference 870472 to the LC grid reference 861522. Give your answer in kilometers. (2mks)
- (iii) Calculate the area of Mount Kenya forest to the East of Easting 02. (2mks)
- (iv) Give the latitudinal and longitudinal location of the South West edge of the map. (2mks)

(b)	From the marginal information:				
	(i)	Identify two districts covered in the map.	(2mks)		

(ii) Identify **two** man-made features in grid square 8454. (2mks)

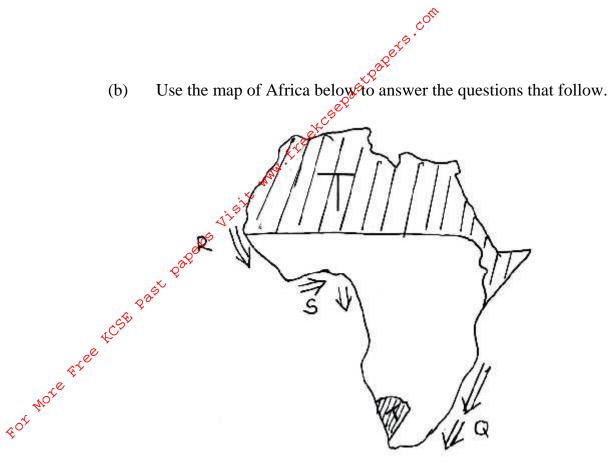
Geography Paper 1

Explain three factors that influence distribution of settlement in the area (c)

			COT	
			covered by the map.	(6mks)
		(d)	 Citing evidence from the map. (i) Identify two agricultural activities carried out in the area covered by the map apart from coffee farming. 	(2mks)
				(6mks)
	7.	(a) 🕫	(ží) Name three types of faults.	(3mks)
FORMOR	and the second	tcest.	(ii) With the aid of clearly labelled diagrams, describe the formation of the Rift Valley by compressional theory.	(7mks)
MOT	Ø		(ii) State two ways in which faulting influences drainage.	(2mks)
\$ ^{0^f}		(b)	Explain why most lakes in the Rift Valley have saline water.	(6mks)
		(c)	Your class undertook a field study on lakes formed through faulting.	(2mks)
			(ii) State three uses of the lakes that you may have found.	(3mks)
			(iii) Give two benefits of studying lakes through field study.	(2mks)
	8.	(a)	With the aid of a well labelled diagram, illustrate the hydrological cycle.	(5mks)
		(b)	Describe the following drainage patterns illustrate with clearly labelled diagrams.	
			·	(3mks)
			(ii) Trellis.	(3mks)
		(c)	(i) State three conditions necessary for data formation.	(3mks)
				(1mk) (1mk)
		(d)	State five characteristics of a flood plain.	(5mks)
		(e)	Describe the formation of an Ox-bow lake.	(4mks)

3

(b)



	(i)	Name the ocean currents marked \mathbf{R} and \mathbf{S} .	(2mks)		
	(ii)	Explain how the ocean current marked \mathbf{Q} influence the climate of the adjacent land.	(4mks)		
(c)	Desc	wribe the characteristics of the climatic region marked \mathbf{T} .	(5mks)		
(d)	Apart from ocean currents, explain three factors that influence climate. (6r				
(e)		are planning to carry out field study on the relationship between ate and vegetation.			
	(i)	State three objective of your filed study.	(3mks)		
	(ii)	Give three measures you would recommend to combat desertification.	(3mks)		
(a)	Nam	e two ice capped mountains in Africa.	(2mks)		
(b)	Desc (i)	ribe the formation of the following features. Glacial trough.	(3mks)		
	(ii)	Pyramidal peak.	(6mks)		
(c)	Expl	ain three factors that influence glacial erosion.	(6mks)		
(d)	Explain four ways in which Upland glaciated features are of significance to human activities. (8m)				

10.