Name	Index Number
School	Candidate's Signature
312/1	Date
GEOGRAPHY	
Paper 1	
2015	
2¾ hours	

MAKUENI COUNTY KCSE 2015 PREPARATORY EXAMINATION

Kenya Certificate of Secondary Education

GEOGRAPHY

Paper 1

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) This paper consists of 3 printed pages.
- (f) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (g) Candidates should answer the questions in English.

SECTION A

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

1.	1. (a) Differentiate the process	s of formation of plutonic and volcanic rocks.	(2 marks)
	(b) For each of the following	ing rocks, name the resultant rock that forms after	metamorphism.
			(4 marks)
	(i) Mudstone		
	(ii) Limestone		
	(iii) Graphite		
	(iv) Granite		
2.	2. (a) What is a lake?		(1 mark)
	(b) State four ways in which	h lakes modify the climate of surrounding areas.	(4 marks)
3.	3. Explain two ways in which c	climate influences the existence of desert vegetation.	(4 marks)
4.	4. (a) List two processes invol	ved in physical weathering.	(2 marks)
	(b) Identify three condition	ns that may favour occurrence of down wash.	(3 marks)
5.	5. (a) Name two scales used to	o measure the intensity of earthquakes.	(2 marks)
	(b) State three effects of ear	rthquakes on the physical environment.	(3 marks)
		SECTION B	
	Answer qu	estion 6 and any other two questions from this section.	
6.	5. Study the map of Migwani 1:50,000 (sheet 121/3) provided and answer the following questions.		g questions.
	(a) (i) Name the type of ma	ap used in this question.	(1 mark)
	(ii) Give the estimate lo	cation of Kamutungu by latitude and longitude.	(2 marks)
	. ,	the school at grid square 0965 from the water tank in	0 1
	1169.		(2 marks)
	(iv) Measure the distance 9083. Give your answer	ce of the all weather road loose surface running from grid	d square 90/8 to (2 marks)
	•	by 7 cm to represent the map to the west of Easting 04 a	,
	_	ectangle, mark and name:	(2 marks)
	(i) all weather road, loo	ose surface.	(1 mark)
	(ii) the rock outcrop.		(1 mark)
	(iii) Nzeluni dispensary.		(1 mark)
	(iv) Itoloni dam.		(1 mark)
	(c) Citing evidence from the	he map, give three social functions of MUTITU (NI	OOOA) market.
			(6 marks)
	(d) Explain three problems a	contractor would face when constructing a road along N	Forthing 83.
			(6 marks)

7.	(a)	(i) What are earth movements?	(1 mark)
		(ii) Describe what happens at a compressional boundary.	(6 marks)
	(b)	(i) What is faulting?	(2 marks)
		(ii) Apart from compressional forces, explain other processes that may caus	se faulting.
			(4 marks)
	(c)	Using well-labelled diagrams, describe the formation of the Ruwenzori M	Mountains.
			(8 marks)
	(d)	Explain four effects of faulting on the physical environment.	(4 marks)
8.	(a)	(i) What is a hydrological cycle?	(2 marks)
		(ii) State four factors that determine the amount of surface run off.	(4 marks)
	(b)	(i) What is a river?	(2 marks)
		(ii) Differentiate between catchment area and watershed.	(2 marks)
		(iii) Identify two types of river erosion.	(2 marks)
	(c)	(i) Identify five characteristics of a river in its youthful stage.	(5 marks)
		(ii) Describe how a river erodes through abrasion.	(4 marks)
	(d)	Explain the importance of river depositional features to human activities.	(4 marks)
9.	(a)	(i) What is an artesian well?	(2 marks)
		(ii) Explain three conditions necessary for the formation of an artesian well.	(6 marks)
	(b)	(i) What is a karst scenery?	(2 marks)
		(ii) Explain three factors which influence the formation of limestone features.	(6 marks)
	(c)	Describe how a stalagmite is formed.	(5 marks)
	(d)	You are supposed to carry out a field study in a karst area.	
		(i) Give two reasons why you would need a route map.	(2 marks)
		(ii) Identify two surface features you are likely to see.	(2 marks)
10.	(a)	(i) What is soil?	(2 marks)
		(ii) Differentiate between bedrock and parent rock.	(2 marks)
	(b)	Explain four ways in which topography influences soil formation.	(8 marks)
	(c)	What is soil degeneration?	(2 marks)
		How do the following lead to soil degeneration?	
		(i) Overgrazing.	(4 marks)
		(ii) Heavy rainfall.	(4 marks)
	(d)	Your class intends to carry out a field study on soil in the school.	
		State three advantages of studying soil through fieldwork.	(3 marks)