312/1 GEOGRAPHY PAPER 1 JULY/AUGUST 2013 TIME: 234 HOURS

## KIRINYAGA CENTRAL DISTRICT JOINT EXAMINATION 2013

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.

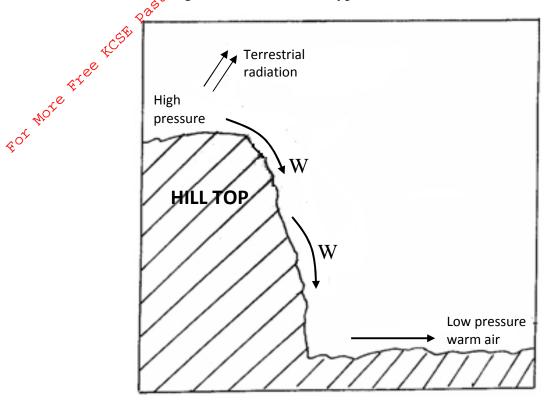
Geography Paper 1

**Turnover** 

SECTION A:

Answer all questions from this section in the spaces provided.

- Give **three** heavenly bodies. 1. (a) (3mks)
  - Distinguish between equinox and solstice. (b) (2mks)
- 2. (2mks)(a) What are **harmattan** winds.
  - The dragram **below** shows a type of wind. (b)



- (i) Identify the type of wind marked **W**. (1mk)
- (ii) List **two** characteristics of the type of the wind marked **W**. (2mks)
- What is a mineral? 3. (a) (2mks)
  - (b) Name **two** metallic minerals? (2mks)
- What is climate? (2mks) 4. (a)
  - Explain **two** effects of climate change on the physical environment. (b) (4mks)
- 5. What is a karst scenery/ (a) (2mks)
  - Give **three** factors that influence the development of karst scenery. (b) (3mks)

- Answer question 6 and any other two questions

  Study the map of Kitale 1:50,000 (C) following questions. Study the map of Kitale 1:50,000 (Sheet 75/3) provided and answer the 6.
  - Give the longitudinal extent of the area covered by the map. (a) (i)

(2mks)

Identify the settlement patterns found on the Northern area (ii) sovered by the map.

(3mks)

Measure the distance of the Kitale Municipality boundary. Give your answer in kilometers.

(2mks)

What is the bearing of the Air photo principal point on the grid square 2912 from the Air photo principal point on grid square 3516.

(2mks)

Draw a rectangle 15cm by 9cm to represent the area East of (i) Easting 40 and North of Northing 20.

(1mk)

(ii) On the rectangle mark and name.

• Road C640.

(1mk)

• River Kapsara.

(1mk)

• Rogurr hill.

(1mk)

• District boundary.

(1mk)

Calculate the area to the East of the District boundary and to (iii) the South of Northing 23.

(2mks)

Identify **two** types of vegetation found in the area covered (d) (i) by the map.

(2mks)

(ii) Describe the drainage of the area covered by the map. (5mks)

What is a rock? 7. (a)

(2mks)

(b) (i) Classify rocks according to their mode of formation.

(3mks)

(ii) Identify **two** classes of rocks mentioned in (i) above that are formed from the already existing rocks.

(2mks)

(iii) List **two** characteristics of rocks. (2mks)

(c) (i) List **two** main types of rocks dominant in Kenya.

(2mks)

(ii) Explain the importance of studying rocks. (6mks)

(d) Explain **four** benefits of rocks to the economy of a country. (8mks)

			a. ·	
8.	(a)	(i)	What is mass movement?	(2mks)
		(ii)	List the <b>two</b> broad categories of mass wasting.	(2mks)
	(b)	(i)	What is soil creep.	(2mks)
		(ii)	Describe the factors that cause soil creep.	(5mks)
	(c)	Differ	rentiate between soils creeps and rock slide.	(6mks)
	(d)	Explain the negative effects of mass wasting on physical and human environment.		(8mks)
9.	(a) Los	Differ	rentiate between a ocean and a sea.	(2mks)
note &	(b)	(i)	Identify the <b>main</b> cause of water movement in the ocean.	(2mks)
		(ii)	Identify the <b>two</b> main water movements in the oceans.	(2mks)
	(c)	List <b>three</b> processes through which erosion occurs along the Coasts.		(3mks)
	(d)	Using	a well labeled diagram describe the formation of a spit.	(5mks)
	(e)	Describe the <b>three</b> types of coasts.		(6mks)
	(f)	Expla	in how oceans currents influence the climate of the surroundings.	(5mks)
10.	(a)	(i)	What is ice?	(1mk)
		(ii)	Differentiate between glacier and avalanche.	(2mks)
	(b)	(i)	Identify the <b>two</b> main glacier erosion processes.	(2mks)
		(ii)	Describe the factors that influence glacier erosion.	(6mks)
	(c)	Expla	in <b>four</b> effects of glaciations on human activities.	(8mks)
	(d)	Students from Neive School are planning to carry out a field study of a glaciated area.		
		(i) State <b>two</b> objectives of their study.		(2mks)
		(ii)	State <b>two</b> ways they would prepare for the study.	(2mks)
		(iii)	Give <b>two</b> methods they would use to collect information.	(2mks)