

312/1

GEOGRAPHY

PAPER 1

JULY/AUG 2014

TIME: 2 $\frac{3}{4}$ HOURS

NYAMIRA NORTH SUB COUNTY JOINT EXAMINATION-2014

Kenya Certificate of Secondary Education (K.C.S.E.)

Geography

Paper 1

INSTRUCTIONS TO CANDIDATES:-

- This paper consists of **two** sections; section **A** and section **B**.
- Answer **all** questions in section **A**. In section **B** answer question **6** and any other **two** questions.
- All answers **must** be written in the provided sheets.

This paper consists of 4 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A

1. a) Name **two** theories put forward to explain the causes of earth movements (2mks)
b) Define **three** main boundaries that separate tectonic plates (3mks)
2. a) Distinguish between an **orbit** and **axis**. (2mks)
b) State **three** proofs that the interior of the earth is hot (3mks)
3. a) What is a spring? (1mk)
b) State **four** ways by which springs develop. (4mks)
4. a) Name **two** types of tides. (2mks)
b) Give **three** ways in which the shape of landmasses may influence the movement of ocean currents. (3mks)
5. a) What is an Earthquake? (1mk)
b) Mention **four** natural causes of earthquake. (4mks)

MAPWORK

6. Study the map of Kitale sheet 75/3 (1:50,000) and answer the questions that follow.
 - a) i) Give the **six** figure grid reference of the culvert at the cousins corner (2mks)
ii) Name the **three** districts represented. (3mks)
 - b) i) Describe the distribution of settlement in the area covered by the map. (4mks)
ii) What evidence exists on the map to show the area has a high agriculture potential (5mks)
 - c) i) Calculate the gradient of the slope between point **M and N** (2mks)
ii) Identify the highest point in the area covered by the map (2mks)
 - d) Farmers at delgany farm carried out a study at their colleagues' farm of Longleat estate.
 - i) State **two** reasons why they would need the map of Kitale. (2mks)
 - ii) Mention **two** methods they would use to collect data. (2mks)
 - iii) Identify **three** data information they would collect. (3mks)
7. a) Name the temperate grasslands found in the following continents
 - i) South Africa
 - ii) North America
 - iii) Australia (3mks)
- b) Describe the characteristics of the natural vegetation found in the Amazon basin (6mks)
- c) Explain **five** ways in which vegetation found in arid areas adopts to the environmental conditions of the area (10mks)

d) State and explain **three** conditions that make the Tundra region have scanty vegetation.

(6mks)

8. a) Differentiate between **magma** and **lava**

(2mks)

b) Describe how the following features are formed and for each give an example from Kenya.

i) Crater

(4mks)

ii) Geyser

(5mks)

iii) Lava plateau

(6mks)

c) Explain four ways in which volcanic features influence human activities.

(8mks)

9. a) i) State **three** characteristics of arid areas.

(3mks)

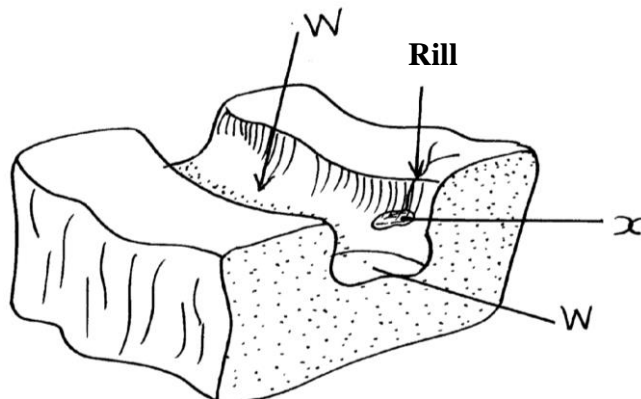
ii) Give **two** factors that make wind an effective agent of erosion in arid areas.

(2mks)

b) Explain **three** processes of wind transportation

(6mks)

c) The diagram below represents a water erosional feature in arid areas.



i) Identify the above features marked **X** and **W**

(2mks)

ii) Describe how the feature marked **W** is formed.

(5mks)

d) Suppose you are asked to carry out a field study on the action of water in a desert.

i) State **three** objectives for your study.

(3mks)

ii) Name **two** water depositional features you are likely to observe.

(2mks)

iii) Identify **two** problems you are likely to encounter that will hamper data collection.

(2mks)

10. a) Define the following terms as used in glaciation.

- Glacial till

- Moraine

(2mks)

b) i) Name **two** process of glacial erosion.

(2mks)

ii) Explain **three** factors that influence glacial erosion.

(6mks)

c) Using a well labeled diagram, show how a hanging valley is formed.

(8mks)

d) i) Mention **three** depositional features of glaciation.

(3mks)

ii) State **four** effects of glaciation on the physical environment.

(4mks)

ANSWERS:

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