

Name

Admission No..... /

Candidate's Signature

Date

312/1

GEOGRAPHY

PAPER 1

JULY/AUGUST 2016

TIME: 2³/₄HRS

KIGUMO SUB-COUNTY CLUSTER EXAM 2016

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

GEOGRAPHY

PAPER 1

JULY/AUGUST 2016

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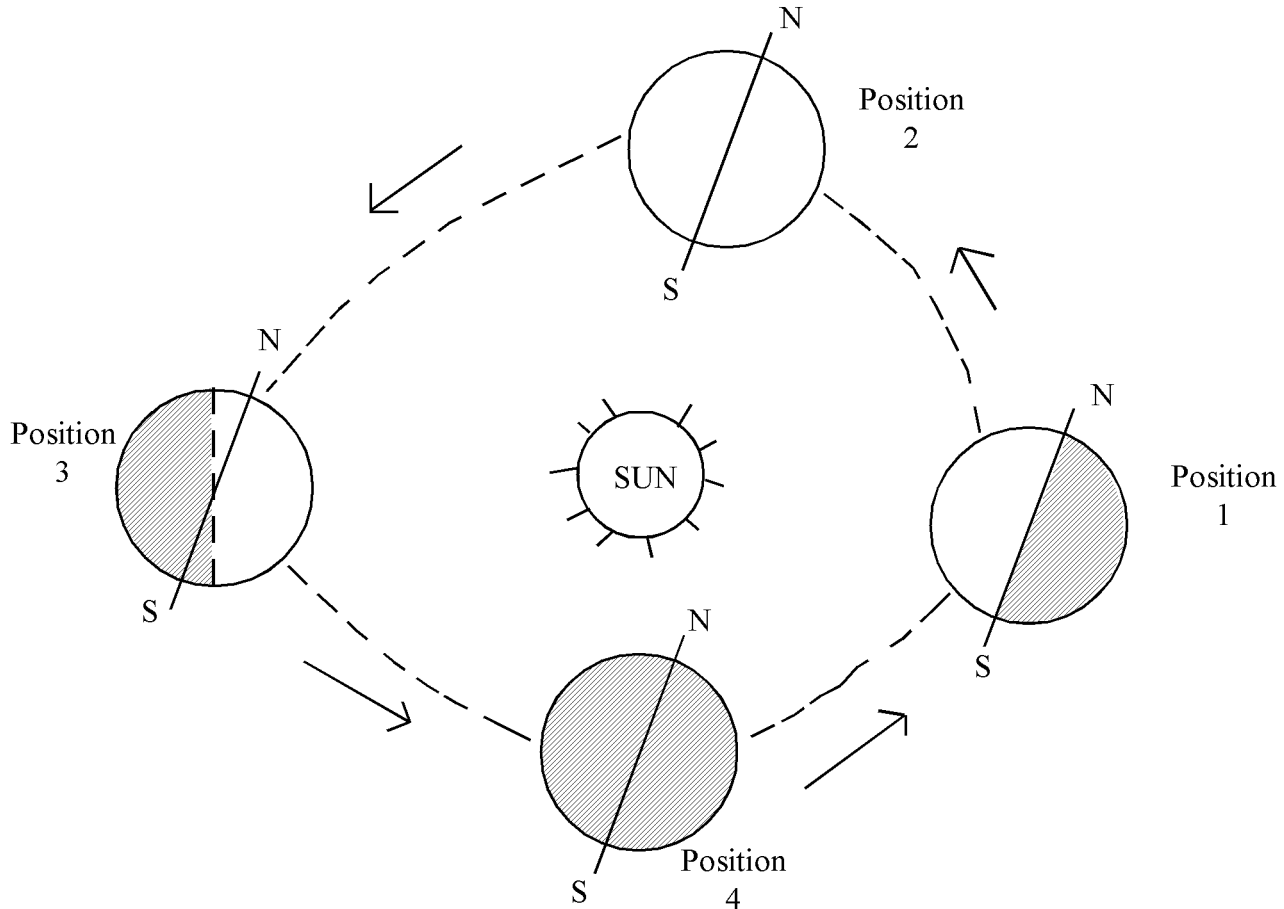
Instructions to candidates

- (a) This paper has **TWO** sections: **A** and **B**.
- (b) Answer **ALL** the questions in section **A**.
- (c) Answer question **SIX (6)** and any other **TWO** questions from section **B**.
- (d) All answers **must** be written in the answer booklets provided.
- (e) Candidate should check the question paper to ascertain that **ALL** the pages are printed as indicated and that no question is missing.

SECTION A

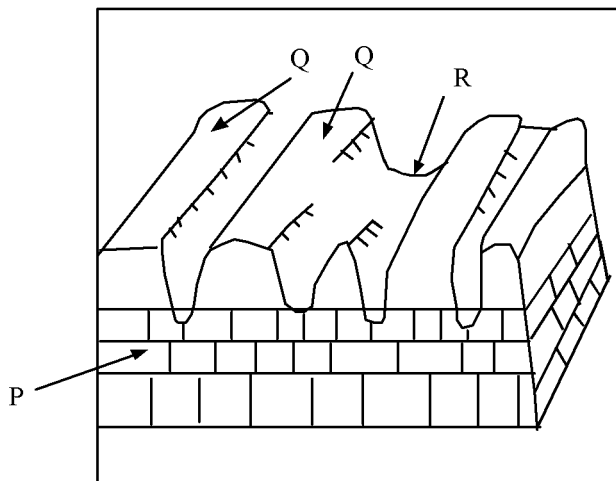
Answer ALL questions in this section.

1. a) What is the relationship between Geography and Chemistry? (2mks)
- b) Study the diagram below and answer the questions that follow.



Give **three** effects of the movement represented by the diagram. (3mks)

2. a) Name **two** scales used to measure the intensity of an earthquake. (2mks)
- b) Give three reasons why the use of intensity as a measure of earthquake strength is unreliable. (3 mks)
3. a) Apart from planets, name **two** other members of the solar system. (2mks)
- b) State **three** characteristics of planets. (3mks)
4. a) List **three** process of wind erosion.
- b) The diagram below shows features of a Karst scenery. (3mks)



- i) Name the features marked P, Q and R. (3mks)
- ii) State **two** factors that influence the formation of the features in the diagram. (2mks)
5. a) Give **three** characteristics of a composite volcano. (3mks)
- b) State **two** examples of composite volcanoes in East Africa. (2mks)

SECTION B

Answer question six and any other two questions in this section.

6. Study the map of Busia (1 : 50,000, sheet 101/1) provided and answer the following questions.
- a) i) Give the six-figure grid reference of school at Sega. (1mk)
- ii) Give the height of Odiado Hill. (1mk)
- b) i) Name **three** types of vegetation found in Busia. (3mks)
- ii) Describe the drainage of the area covered by the map. (4mks)
- iii) Name **three** natural features found in grid square 2646. (3mks)
- c) i) Measure the length of the C526 road from the junction at Nangina (222310) to the junction at Bumala market. Give your answer in kilometres. (2mks)
- ii) Calculate the area of Busia in Uganda in the map provided. Give your answer in Km². (2mks)
- d) Draw a cross-section from grid reference 220410 to grid reference 300380. Use a vertical scale of 1cm represent 50m. (3mks)
- On your cross-section mark and name the following.
- i) International Boundary
- ii) River Sio
- iii) Hill
- iv) All weather loose surface road. (4 mks)
- e) With evidence from the map, give two economic activities of the people of Busia. (2mks)
7. a) i) What are the causes of earth movements. (3mks)
- ii) What is folding? (2mks)
- iii) Differentiate a simple symmetrical fold from asymmetrical fold. (4mks)
- b) With the aid of a well labelled diagram, describe the formation of an overthrust fold. (6mks)
- c) Student of a school are planning to carry out a field study in a folded region.
- i) Identify **three** ways in which fold mountains that they would come across are likely to have been formed. (3mks)
- ii) State **four** ways in which the students would prepare themselves for the study. (4mks)
- iii) Give **three** advantages of studying landforms through field work. (3mks)
8. a) Define a lake. (1mk)
- b) Giving examples from East Africa, name any two types of lakes formed due to vulcanicity. (4mks)
- c) Explain the influence of L. Victoria on the surrounding areas. (6 mks)
- d) i) Give **two** examples of fresh water lakes within the Kenyan Rift Valley. (2mks)
- ii) State **four** reasons why some lakes in the Rift Valley are salty. (4mks)

- e) Explain any **four** economic significance of lakes. (8 mks)
9. a) i) State **four** factors that determine the amount of surface run off. (4mks)
 ii) Name **two** sources of rivers. (2mks)
 iii) Name **three** types of river erosion. (3 mks)
- b) Mention **three** factors that facilitate the process of river deposition. (3mks)
- c) You are planning to carry out a field study on the course of a river.
 i) What would be the advantages of dividing the class into groups according to the stages of the long profile of a river. (4mks)
 ii) What would be the disadvantages of using secondary data in this kind of field study? (6mks)
 iii) Mention **three** methods they would use to record their data. (3mks)
10. a) i) State two days in a year when the length of day and night is equal. (2mks)
 ii) Draw a well labelled diagram to show the eclipse of the moon (Lunar eclipse) (3mks)
- b) i) Give **four** characteristics of planet Jupiter. (4 mks)
 ii) Give **three** possible consequences of the revolution of the earth on lengths of days and nights. (3 mks)
- c) i) Name **three** instruments found in a Stevenson screen. (3mks)
 ii) State and explain **four** qualifications which makes Stevenson screen suitable for its work. (4mks)
- d) With the help of a well labelled diagram, explain the formation of frontal /cyclonic rainfall. (6mks)