

Name

Index Number /

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Candidate's Signature

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312/1

Date

GEOGRAPHY

PAPER 1

JUNE/ JULY 2013

TIME: 2³/₄HRS

**LENOCET EVALUATION TEST
KENYA CERTIFICATE OF SECONDARY EDUCATION**

312/1

GEOGRAPHY

PAPER 1

TIME: 2³/₄HRS

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) Name **two** members of the solar system other than the planets. (2marks)
(b) Give **three** characteristics of Sima. (3 marks)
2. (a) State any **three** features one may identify on a rejuvenated river. (3 marks)
(b) Highlight **two** causes of river rejuvenation. (2 marks)
3. (a) What is the cause of glacial recession. (1 mark)
(b) In what **three** ways are glaciated landforms of economic value. (3 marks)
4. The table below shows climatic data of a station in Kenya. Use it to answer the questions that follow.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temperature °C	29	28	30	30	29	29	28	27	29	30	30	28
Rainfall in mm	10	9	22	48	26	9	24	10	5	10	18	11

- (a) What is the annual range of temperature at the station. (1 mark)
(b) Calculate the annual rainfall for the station. (1 mark)
(c) Give **two** reasons why the Tundra region has scanty vegetation. (2 marks)
(d) Give **two** characteristics of inter - tropical convergence zone (ITCZ). (2 marks)
5. (a) What are destructive waves. (1 mark)
(b) Name **two** resultant features of wave erosion. (2 marks)
(c) Name **two** types of coast. (2 marks)

SECTION B

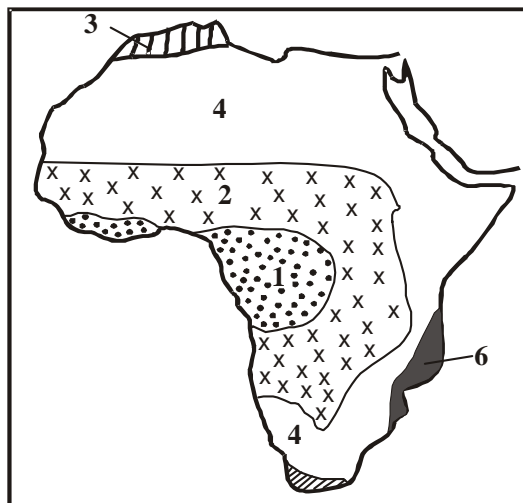
Answer questions 6 and ANY other 2 questions in this section.

6. Study the map of Kitale (1:50, 000) sheet 75/3 provided and answer the following questions.
- (a) (i) Give the longitudinal extent of the area covered by the map. (2 marks)
(ii) What was the magnetic variation in the area when the map was drawn. (2 marks)
(iii) What is the direction of the air photo principal point in grid square 2931 from the air photo principal point in grid square 3426. (2 marks)
(iv) Name the **two** districts represented in this map extract. (2 marks)
- (b) Draw a rectangle 10cm by 15cm to represent the area in the map extract bounded by eastings 40 and 50 and northings 11 and 26. (2 marks)
In it draw and label.
- (i) An all weather road loose surface. (1 mark)
(ii) A district boundary. (1 mark)
(iii) A trigonometrical station. (1 mark)
(iv) A forest. (1 mark)

- (c) Describe the relief of the area covered by the map. (5 marks)
- (d) Citing evidence from the map, identify **three** factors which have influenced the distribution of settlement in the area represented by the map. (6 marks)

7. (a) (i) Define the term vulcanism. (2 marks)
- (ii) State **three** types of lava associated with volcanic activities. (3 marks)
- (b) (i) Identify **four** types of intrusive igneous landforms. (4 marks)
- (ii) With aid of diagrams, describe how a crater lake is formed by violent disintegration. (6 marks)
- (c) Explain **three** economic significance of volcanic activities. (6 marks)
- (d) You recently carried out a field study of an area which has been affected by vulcanicity.
- (i) Give **two** ways in which you prepared for the field study. (2 marks)
- (ii) Outline **two** factors that made it difficult for you to collect and acculate data during the field study. (2 marks)

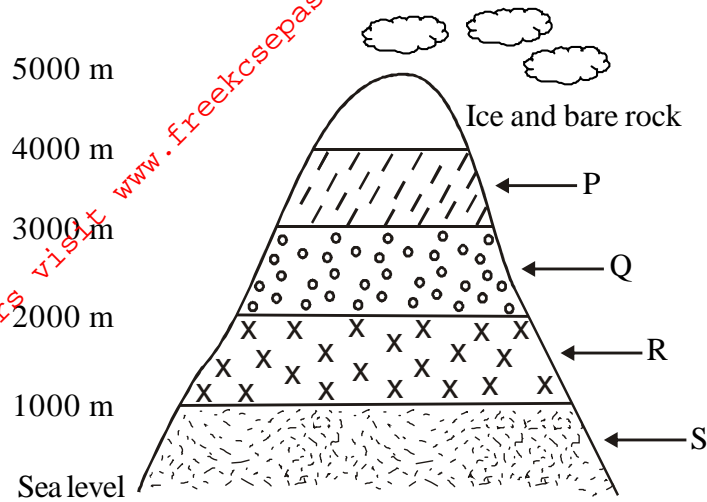
8. Use the map of Africa provided below and answer questions that follow.



- (a) Name the climatic regions marked 1 - 4. (4 marks)
- (b) State and explain any **four** characteristics of the climatic region marked 1. (8 marks)
- (c) Explain **four** effects of climatic change. (8 marks)
- (d) You intend to carry out a field study near your school on climate.
- (i) Identify **three** reasons why it is necessary to carry out a reconnaissance. (3marks)
- (ii) Cite two reasons why a map of the location is needed. (2marks)

9. (a) (i) Identify the **three** main categories of vegetation. (3 marks)
- (ii) Describe **three** physiographic factors that influence vegetation distribution. (6 marks)

(b) The diagram below represent vegetation succession on a mountain slope.



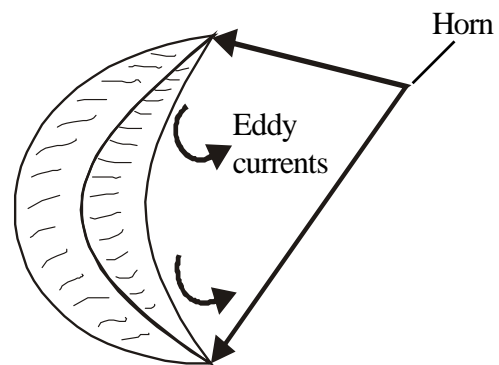
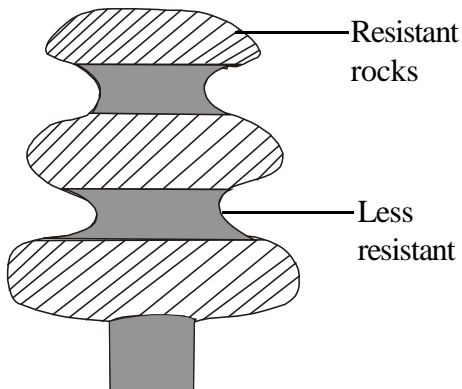
- (i) Name the types of vegetation marked P, Q, R and S. (4 marks)
- (ii) Explain the characteristics of coniferous (boreal) forests. (6 marks)
- (c) Explain the **three** factors that have led to the decline of the natural grasslands in Kenya. (6 marks)

10. (a) (i) What is a desert. (2 marks)
- (ii) State **three** factors which contribute to the development of deserts. (3 marks)
- (iii) Describe **two** processes of wind transportation in the desert. (4 marks)

(b) Identify the features below and describe how each of them is formed.

(i) (5 marks)

(ii) (5 marks)



- (c) Explain **three** positive effects of desert features to the human environment. (6 marks)