

NAME.....CLASS.....ADM NO.....

KENYA NATIONAL EXAMINATIONS COUNCIL

KENYA CERTIFICATE OF SECONDARY EDUCATION

END TERM 1 EXAM, 2019

GEOGRAPHY

FORM FOUR

PAPER 1

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

INSTRUCTIONS:

This paper consist of two sections A and B

Answer all the questions in section A

Answer question 6 and any other two questions f om section B

SECTION A (25MARKS)

Answer All the questions in this section.

1(a) Name two groups of planets in the solar system.

(b) State three characteristics of the sun.

2(a) Define faulting.

(b) State three ways in which faulting influence drainage.

3(a) What is derived vegetation?

(b) Name the temperate grasslands found in :

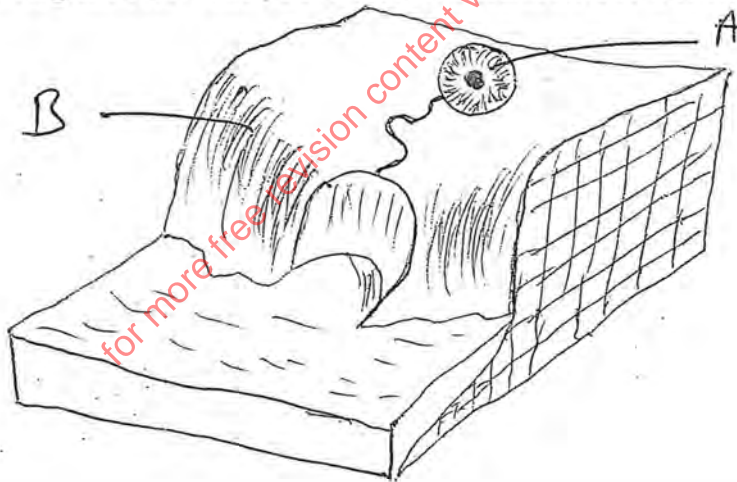
(i) Africa

(ii) Canada

(iii) Eurasia

4(a) State three conditions necessary for the formation of a beach.

(b) The diagram below shows some coastal features. Use it to answer the following questions.



Label the features marked

A-

B-

5(a) State two factors that influence the formation of Karst scenery.

SECTION B

6. Study the map of Taita Hills, 1:50,000 (sheet 189/4) provided and answer the questions that follow.

(a)(i) Identify the highest point in the map.

(ii) Measure the area of Range forest enclosed by the forest boundary. Give your answer in km².

(iii) Name two manmade features found in grid square 4127.

(b) (i) Using a vertical scale of 1 cm represents 50m draw a cross section from grid reference 290 reference 360190.

On the cross-section drawn show the following.

All weather road

Hill

River

(ii) Calculate the vertical exaggeration.

(c)(i) State two types of vegetation shown in the area covered by the map.

(ii) State three evidences that show that agriculture is practiced in the area covered by the map.

(d) Students from a school in grid square 3926 carried out a field study around their school.

(i) State three reasons why the area has dense settlement.

(ii) List three problems which they might have encountered during the field study.

7(a)(i) Distinguish between weather and climate.

(ii) Give two types of climates under very cold climate.

(iii) Give five characteristics of equatorial climates.

(b) (i) What is temperature inversion?

(ii) State two natural causes of climate change.

(iii) A school in Meru

- Explain four effects of aridity and desertification. (8mks) 25
- 8(a)(i) What is volcanicity? (2mks)
- (ii) Describe the causes of volcanicity. (4mks)
- (b)(i) Name two types of volcanoes. (2mks)
- (ii) Give three characteristics of composite volcano. (3mks)
- (c) Using well labelled diagrams describe how acidic lava cone is formed. (6mks)
- (d) Explain four positive effects of volcanicity. (8mks)
- 9(a) Citing an example of each state two types of deserts according to location. (4mks)
- (b) Describe two processes through which the wind erodes desert surfaces. (4mks)
- (c) State three factors influencing the rate of wind transportation. (3mks) 10
- (d) With the aid of well labelled diagrams describe how the following features are formed. (5mks)
- (i) Rock pedestal
- (ii) Yardang (6mks)
- (e) List three inland drainage features found in the arid areas. (3mks)
- 10(a)(i) Differentiate between ice sheet and ice cap. (2mks) 25
- (ii) Give two reasons why there are no ice sheet in Kenya. (2mks)
- (b) Explain how the following influences movement of valley glacier. (2mks)
- (i) Width of the glacier. (2mks)
- (ii) Gradient of the slope. (2mks)
- (c) With the aid of a well labelled diagram explain how the following features are formed. (4mks)
- (i) Corrie / cirque (5mks)
- (ii) Pyramidal peak. (8mks)
- (d) Explain four factors that lead to glacier deposition in lowlands. (8mks)