

END OF TERM 1 EXAMS

GEOGRAPHY

FORM FOUR

PAPER 1

TIME 2 ¾ HOURS

NAME.....ADM NO:.....

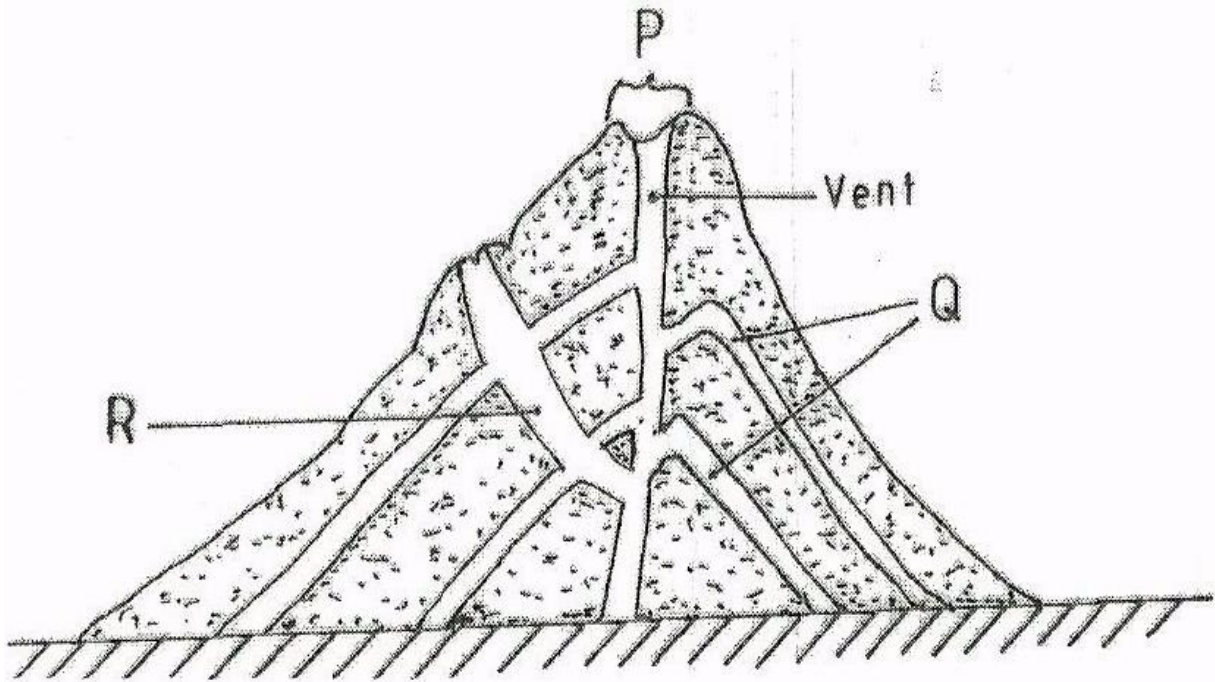
SIGN..... INDEX NO:.....

INSTRUCTIONS.

- a. *This paper has two sections A and B*
- b. *Answer all the questions in section A.*
- c. *Answer questions 6 and any other two questions from section B.*

SECTION A.

1. Give three components of the solar system. (3mks)
 - b. Identify two types of high level clouds. (2mks)
2. Draw a well labeled diagram of a hydrological cycle. (5mks)
 - b. What is weathering? (1mk)
3. Give three factors that influence the rate of weathering. (3mks)
 - b. The diagram below shows a composite volcano.
Name the feature marked P,Q and R. (3mks)



4. How is a parasitic cone formed? (3mks)
 State three characteristics of the outer core in the interior structure of the earth. (3mks)
5. Name the two layers of discontinuity that are part of the interior structure of the earth. (2mks)

Section B

Answer question 6 and any other two questions from this section.

Use the map of Busia (1:50,000) provided to answer the questions that follow

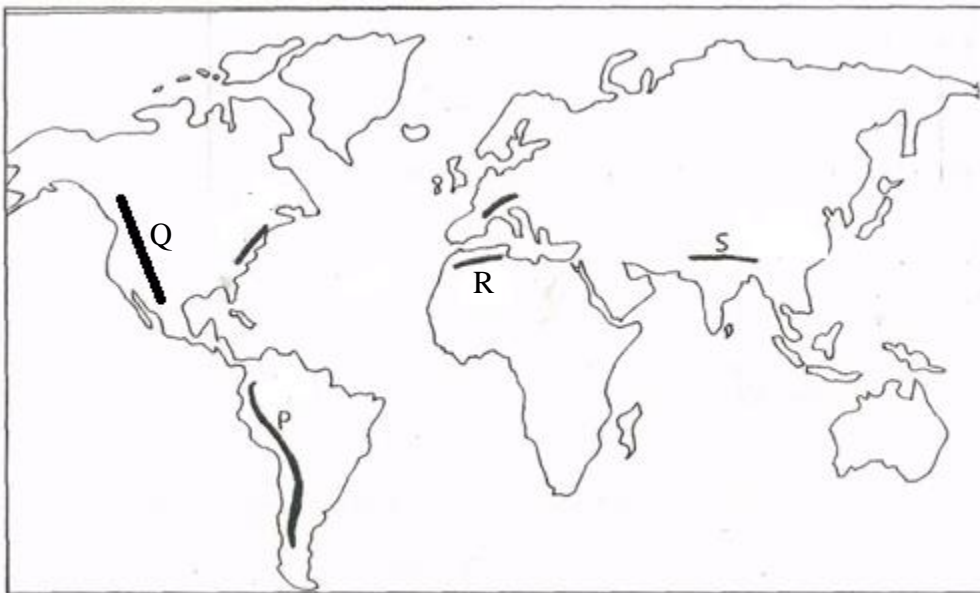
6. a. i. Identify three physical features in grid square 2539. (3mks)
- ii. Give the six – figure grid reference of the air-photo point at Kisoko along river Sio. (1mk)
- iii. Give the approximate height of Nangoma hill in grid square 2838. (2mks)
- iv. Measure the distance along the regional boundary from where it intersects, all-weathered road, loose surface number (526 to its intersection with road B⁸/₃) give answer in kilometer. (2mks)
- b. Calculate the bearing of Nangina dispensary from the chief's house in grid square 2531. (2mks)
- ii. Calculate the area to the east of road B²/₃ and C526 to the south of northing 40 excluding the area covered by thickets vegetation. Give the area in Km². (2mks)

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- iii. Identify two drainage features along river sio. (2mks)
- c. Citing evidence from the map, give three social services provided in the area covered by the map. (6mks)
- d. Describe the relief of the area covered by the map. (5mks)

7. What is a mineral? (2mks)
- ii. Describe the following characteristics of minerals (6mks)
 - Luster
 - Colour
 - Density
 - b. Name two examples of extrusive igneous rocks. (2mks)
 - ii. Describe three ways in which sedimentary are classified. (9mks)
 - c. Explain the significance of rocks to the economy of Kenya under the following sub headings. (6mks)
 - i. Tourism
 - ii. Energy
 - iii. Water

8. The maps below show the location of some mountain ranges.



- a. Name the ranges marked P,Q,R and S. (4mks)
- b. Apart from fold mountains, name three other features resulting from folding. (3mks)
- c. With the aid of labeled diagram, describe how fold mountains are formed. (10mks)

d. Explain the significance of fold mountains to human activities.

(8mks)

9. a) i. Outline two factors that influence the development of drainage patterns.

(2mks)

ii. Outline five characteristics of a river in its youthful stage. (5mks)

b. Describe the following processes of river erosion.

i. Attrition

(2mks)

ii. Corrosion

(4mks)

c. Explain three negative effects of rivers to the human environment.

(6mks)

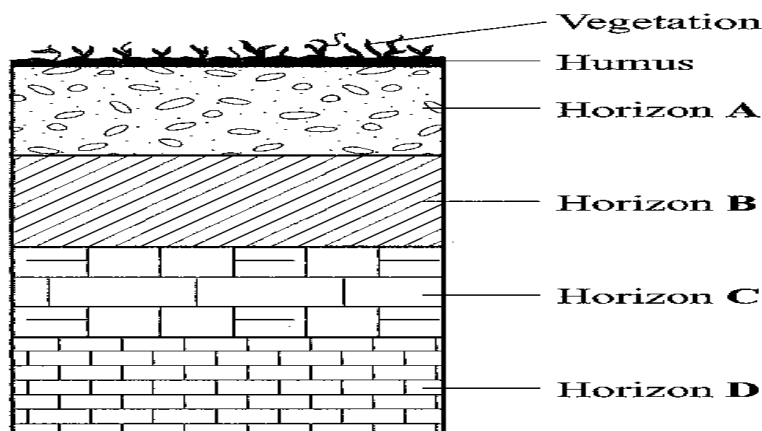
d. Your class is planning to carry out a field study of a river in its old stage.

i. State three reasons why it would be necessary to pre-visit the area of study. (3mks)

ii. State the three activities you would carry out to determine why

deposition occurs at this stage. (3mks)

10. The diagram below represents a well developed soil profile. Use it to answer question (a)



a. Describe the characteristics of Horizon B. (3mks)

ii. Apart from humus, name three other components of soil.

(3mks)

iii. State three ways in which humus contributes to the quality of soil.

(3mks)

b. Differentiate between soil structure and soil texture.

(2mks)

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- ii. Explain how the following factors influence the formation of soil;
- Topography
 - Time (6mks)
- c. Explain how the following farming practices may lead to loss of soil fertility.
- i. Overgrazing (2mks)
 - ii. Frequent ploughing (2mks)
 - iii. Continuous irrigation (2mks)

USE BLANK SHEETS PROVIDED