

NAME: ADM NO.: CLASS:

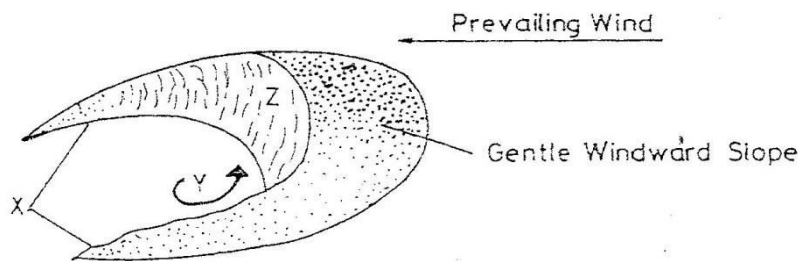
GEOGRAPHY PAPER 1
FORM THREE
END OF TERM 2
TIME: 2 ¼ HOURS.

SECTION A: (Answer all questions in this section)

- (a) Give two components of the solar system. (2mks)

(b) State three effects of the movement of the earth around the sun. (3mks)
- (a) How does a land breeze occur? (2mks)

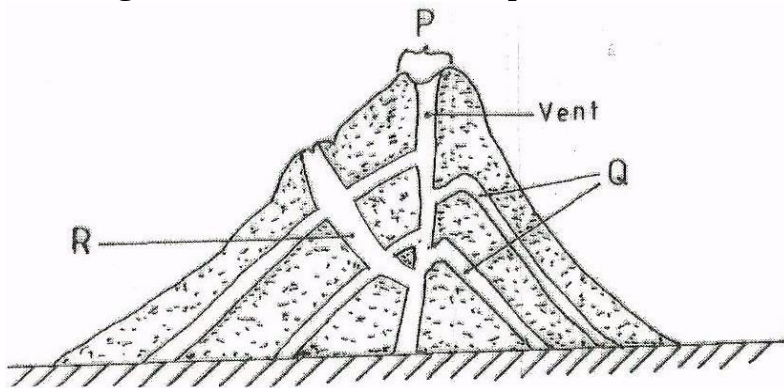
(b) Name three ocean currents found on the coasts of West Africa. (3mks)
- The diagram below represents a barchans, use it to answer question (a).



- (i) Name the feature marked X. (1mk)

(ii) The air current marked Y. (1mk)

(iii) The slope marked Z. (1mk)
 - State two ways in which wind transports its loads. (2mks)
- The diagram below shows a composite volcano.



- Name the features marked P, Q, R. (3mks)

- b) Give two ways in which volcanicity influences human activities. (2mks)
5. (a) What is the difference between ice sheet and ice berg? (2mks)
- (b) Name three types of glacier moraine. (3mks)

SECTION B:

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

6. Study the map of Oyugis 1:50,000 (sheet 130/1) provided and answer the following questions.
- a) (i) What is the four figure reference of Kokungu dam? (2mks)
- (ii) What is magnetic variation of the map? (1mk)
- (iii) Calculate the area covered by Koderia forest. Give your answer in square kilometer. (2mks)
- b) Draw a square 10cm by 10cm to represent the area enclosed by Easting 84 and 94 and Northing 28 and 38. (1mk)
- On the square, mark the name;
- i. Forest (1mk)
- ii. Swamp. (1mk)
- iii. District Boundary. (1mk)
- iv. Range. (1mk)
- c) Describe the relief of the area covered by the map. (6mks)
- d) Identify three social service of Kamangambo trading centre. (3mks)
- e) Citing evidence from the map, explain three factors that favour farming. (6mks)
7. (a) (i) Apart from the Rift valley, name other relief feature formed as a result of faulting. (3mks)
- (ii) With the aid of a well labeled diagram, describe how Rift Valley may have been formed by tensional forces. (8mks)
- (b) Explain three ways in which faulting influences drainage system. (6mks)
- (c) Explain four ways in which features resulting from faulting are of significance to the economy of Kenya. (8mks)
8. (a) What is natural vegetation? (2mks)
- (b) Name the temperate grassland found in the following countries.
- i) Canada. (1mk)
- ii) Russia (1mk)
- iii) Australia. (1mk)

- (c) Explain how precipitation influences distribution of vegetation in an area. (4mks)
- (d) Describe the characteristics of the Savannah vegetation region. (6mks)
- (e) Give two reasons why Tundra region has scanty vegetation. (2mks)
- (f) You are planning to carry out field study in a forest within your district.
- i. Give four reasons why it is important to seek permission. (4mks)
 - ii. Identify four challenges you are likely to encounter during the field study. (4mks)
9. (a) (i) What is underground water? (2mks)
- (ii) Explain how the following factors influence the presence of underground water.
- I. Amount of rainfall. (2mks)
 - II. Vegetation cover. (2mks)
 - III. Slope gradient. (2mks)
- (b) (i) What is an artesian basin? (2mks)
- (ii) State three conditions leading to the formation of artesian basin. (3mks)
- (c) (i) Identify three factors which influence the formation of Karst features. (3mks)
- (ii) State four significance of Karst regions. (4mks)
- (d) Your class is planning to carry out field study in a Karst landscape.
- i) Give two reasons why it is important to seek permission from the school authorities. (2mks)
 - ii) Identify three challenges that you are likely to encounter during field study. (3mks)
10. (a) What is a glacier? (2mks)
- (b) Give two reasons why there are no ice sheets in East Africa. (2mks)
- (c) Describe the formation of the following glacial features.
- i) Hanging valley. (6mks)
 - ii) Arête. (6mks)
- (d) Name three erosional features found in glaciated lowland areas. (3mks)
- (e) Explain three positive effects of glaciations in lowland areas. (6mks)