

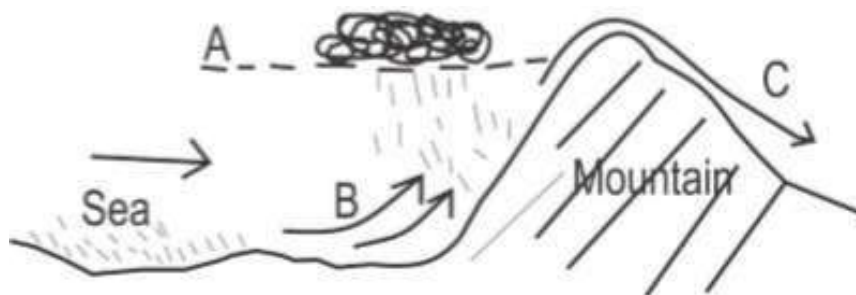
# FORM FOUR CLUSTER KCSE MODEL 6

## GEOGRAPHY PAPER 1 QUESTIONS

### SECTION A (25 Marks)

Answer all questions in this section

- Define Atmosphere. (1 mark)
  - State three reasons why temperatures in the lower troposphere are higher. (3marks)
- Study the diagram and answer the questions below



- Name the parts labelled A,B,C. (3marks)
    - Apart from Orographic rainfall, name two other types of rainfall. (2marks)
  - State two characteristics of the I.T.C.Z. (2marks)
- What is a backwash?(1 mark)
    - State three factors that influence development of Coasts. (3marks)
  - State two factors that influence the rate of wind erosion in deserts. (2marks)
    - Describe how a wadi is formed. (3marks)
  - Mention two ways in which the nature of parent rock influences soil formation. (2marks)
    - List three ways through which soils degenerate. (3marks)

### SECTION B (75 Marks)

Answer question 6 and any other two questions in this section

- Study the map of Busia (1:50,000) Kenya and use it to answer the questions that follow.
  - Convert the scale of the map into statement scale. (2marks)
    - What was the magnetic declination at the time the map was published?(2marks)
    - Give the six figure grid reference for Nyalenya School. (2marks)
  - Citing evidence from the map state three physical factors that have contributed to dense settlements in the area covered by the map. (6marks)
  - Using a scale of 1cm to represent 20 meters, draw a cross-section between grid reference 280370 and 330370. (4marks)
    - On the cross -section mark and name the following.  Hill?

▢ Riverine trees.

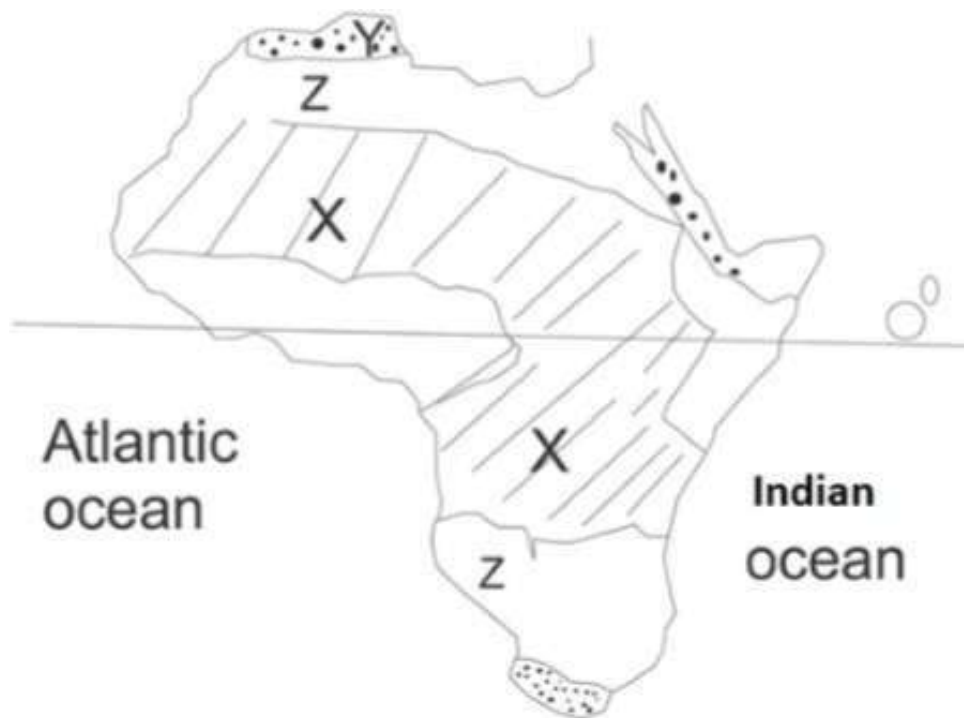
▢ Foot path (3marks)

iii) Calculate the gradient of the cross -section. (2marks)

d) Citing evidence from the map identify two land uses in the area covered by the map. (4marks)

7. a) i) Define the term vegetation . (2marks)

b) Study the map of Africa showing the vegetation types and answer the questions that follow.



8. a) Name two rivers in Kenya that have arcuate type of delta. (2marks)

b) Using well labelled diagrams describe how a river capture occurs. (8marks)

c) i) Explain four ways through which a river transports its load. (8marks)

ii) Outline three factors that influence the development of drainage patterns. (3marks)

d) State four positive significance of rivers to man. (4marks)

9. a) Name two glacier erosion processes. (2marks)

b) Explain four conditions that lead to glacier deposition. (8marks)

c) i) Describe how terminal moraine is formed. (6marks)

ii) Apart from moraine, name three other depositional features of glacier in lowland areas. (3marks)

- d) Explain any three negative effects of glaciation to man. (6marks)
10. a) i) Distinguish between orogeny and orogenesis (2marks)
- ii) List two theories that try to explain how fold mountains were formed. (2marks)
- b) i) Apart from fold mountains, name three other features of folding. (3marks)
- ii) Explain five positive effects of folding. (10marks)
- c) You are supposed to carry out a field study of an area that has undergone folding.
- i) Give three reasons why you would require a route map. (3marks)
- ii) State two objectives for the study. (2marks)
- iii) Give three follow-up activities you would be involved in after the field study. (3marks)