

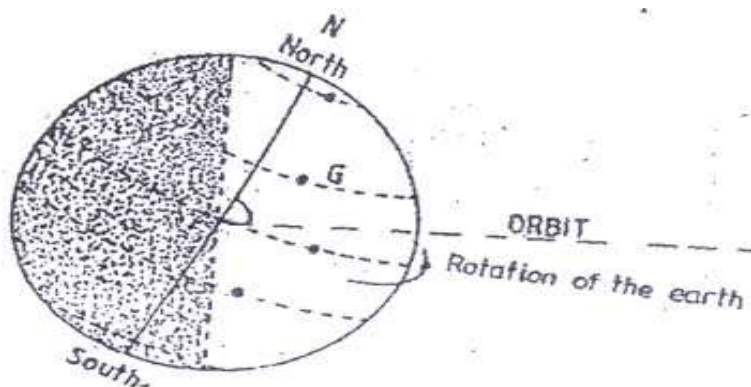
## FORM FOUR CLUSTER KCSE MODEL9

### GEOGRAPHY PAPER 1 QUESTIONS

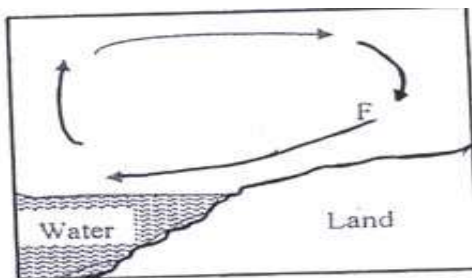
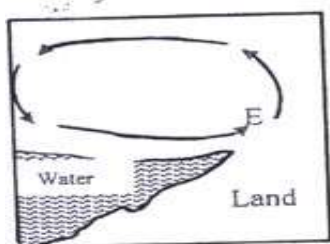
#### SECTION A (25 Marks)

##### Answer all questions

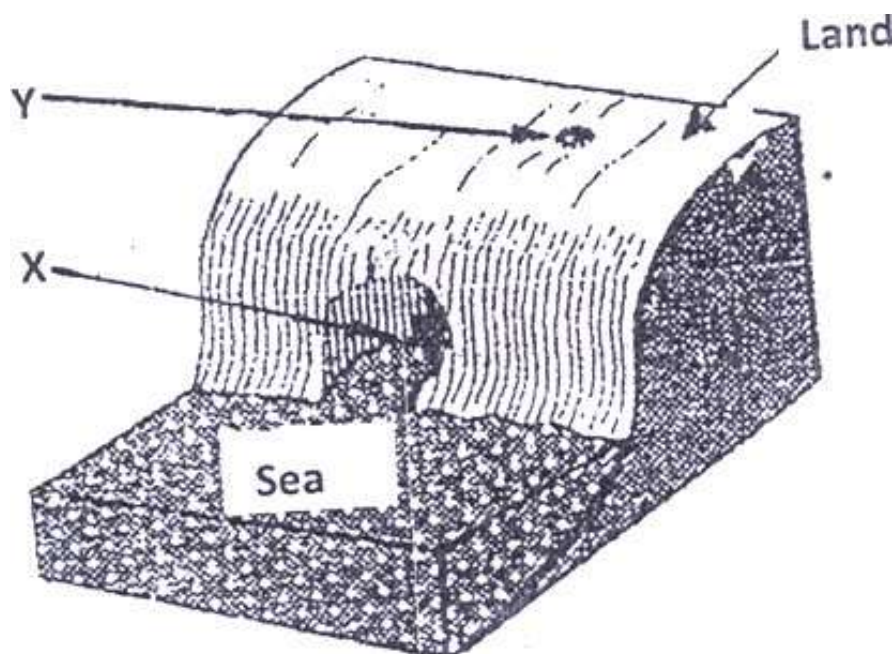
- Give three examples of mechanically formed sedimentary rocks.
  - State two changes that occur in sedimentary rocks when they are subjected to intense heat and pressure.
- The diagram below represents the earth on its axis. Use it to answer question



- Name the latitude marked G.
  - What is the angle of inclination of earth's axis from its orbit?
- State three ways that make the earth as a planet different from other planets
- Name three external land forming processes that lead to the formation of lakes.
  - State three ways in which lakes influence the natural environment.
- The diagrams below represent the flow of air current. Use them to answer question 4(a) below.



- In your answer booklet, name the air current marked E and F.
  - Give the reason why air cools as it rises.
- The diagram below represents a coastal landform.



- a) Name the features marked X and Y.
- b) State three conditions necessary for the formation of a sand spit.

## SECTION B (75 Marks)

### Answer question 6 and any other two

6. Study the map of Migwani (1 :50000) sheet 151/1 provided and answer the following questions.
  - a)
    - i) Give the longitudinal extent of the area covered by the map.
    - ii) What is the bearing of Mboni dam from the dispensary at Nzeluni?
    - iii) Give the six figure Grid reference of Kangodi school.
  - b)
    - i) Enlarge the area of Migwani between Eastings 06 -12 and Northings 64 -68 twice as much.
    - ii) On the enlarged map mark and label the following
      - Mutitu centre
      - River Ikoo
      - Water pipe line
      - Dry weather road
    - iii) Show the new scale of the enlarged map
  - c) Describe the drainage of the area covered by Migwani map.
  - d) By citing evidence, give FOUR functions of Gujani centre.

7. a)
  - i) A part from the Rift Valley name two other relief features that were formed as a result of faulting.
  - ii) With the aid of a well labeled diagram, describe how a rift Valley is formed by tensional forces.
- b) Explain four effects of faulting.
- c) Students are planning to carry out a field study of an area affected by faulting.
  - i) State four reasons why it is important for the students to have a pre-visit of the area.
  - ii) One of the ways they would use to collect data is through direct observation. Give three disadvantages of direct observation in the study of such an area.
8. a)
  - i) What is glaciation?
  - ii) Give three differences between glacial trough and river valley.
- b)
  - i) State two ice ages.
  - ii) Describe two ways in which ice moves.
- c)
  - i) State two characteristics of a pyramid peak.
  - ii) Name three types of Moraines.
- d) With a well labeled diagrams, describe the processes involved in the formation of a corrie lake.
- e) Outline four ways in which a glaciated landscape is of negative significance to human activities.
9. a) Describe how a river erodes its channels by the following process.
  - i) Hydraulic action
  - ii) Abrasion
- b)
  - i) Explain three factors that lead to rejuvenation of a river.
  - ii) Describe the process of a river capture.
- c) Some students carried out a field study on the features found along a river.
  - i) List three features formed as a result of river erosion.
  - ii) State three methods that students may have used to record their data.
  - iii) Explain two ways in which features resulting from river deposition are of significance to human activities.

10. a)

- i) Differentiate between weathering and denudation.
- ii) State three factors that influence the rate at which weathering occurs.
- b) Explain how the following processes of weathering occur in arid areas.

-Crystal growth

-Exfoliation

-Block disintegration

-Granular disintegration

c)

- i) Apart from soil creep, name three other types of slow –mass wasting.
- ii) State three causes of soil creep.
- d) Students from a school in Rachuonyo South Sub County carried out a field study on land slides.
- i) Identify two ways they must have prepared for the field study.
- ii) Name two types of rapid mass movement they could have identified.
- iii) State two effects of rapid – mass wasting they came across.