

## **FORM FOUR CLUSTER KCSE MODEL 3**

### **GEOGRAPHY PAPER 1 QUESTIONS**

1. (a) Name TWO main branches of Geography. (2mks)  
(b) Distinguish between environment and ecology. (2mks)
2. (a) Name the first TWO planets from the direction of the sun. (2mks)  
(b) Distinguish between Meteors and Meteorites. (2mks)
3. (a) State any THREE proofs that the earth is spherical. (3mks)  
(b)(i) What is relative humidity? (1mk)  
(ii) Give THREE types of rocks according to their mode of formation. (3mks)
4. (a) What is a composite volcano? (1mk)  
(b) Name THREE benefits of a volcano. (3mks)
5. (a) State how carbon dioxide levels in the atmosphere have an effect on the global heat balance. (2mks)  
(b) Name TWO other Green House gases apart from carbon dioxide. (2mks)  
(c) Name TWO ways in which man contributes to reduction of carbon dioxide in the atmosphere. (2mks)
6. Using the Map of Busia; 1:50,000; Answer the following questions,
  - a)(i) Measure the length of the All weather Roads loose surface C 529 from Grid point 250366 to the south-western edge of the map in Km. (2mks) (ii) Find the bearing of Air principal point 10(G S 3141) from road junction at Matayo (G s 2940) (2mks)  
(iii) Give the height of Odiado hill Grid Ref. 290333. (1mk)
  - b) (i) Using evidence from the Map, state THREE economic activities in the area covered by the map. (3mks)  
(ii) State THREE ways in which relief is shown on the map. (3mks)  
(iii) Give the six-figure Grid reference of a reservoir on the North-Western part of the Map. (1mk)

c) Describe the drainage of the area covered by the Map. (5mks)

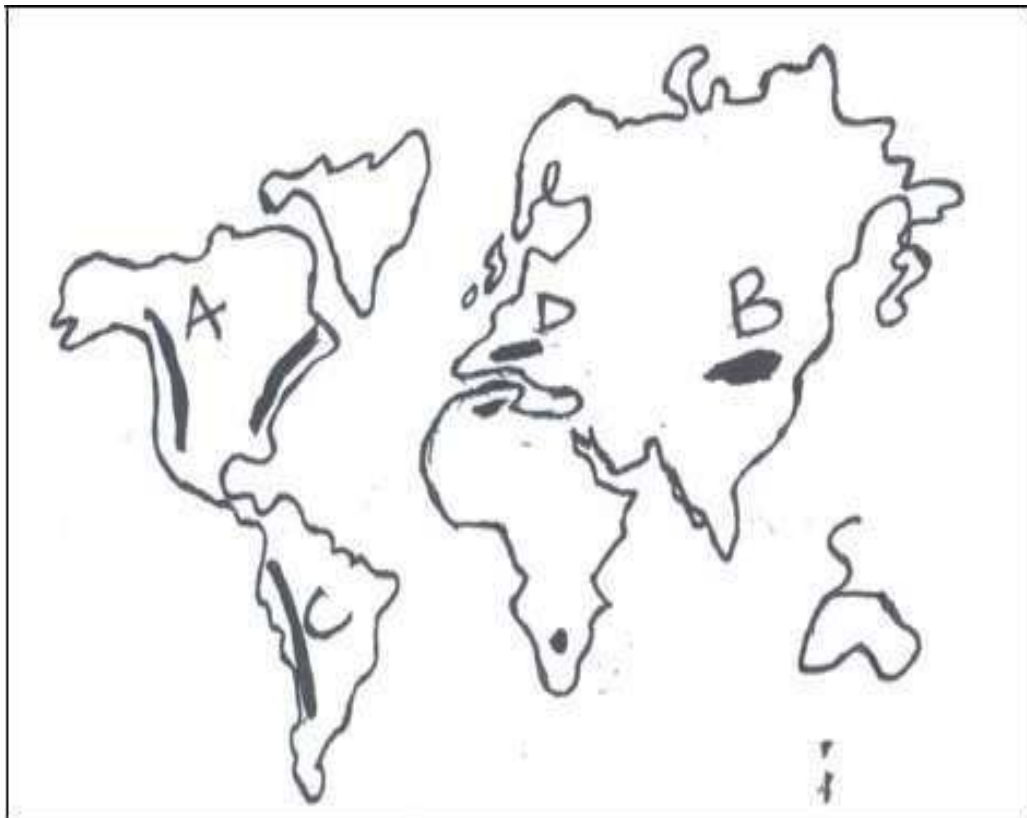
d) Draw a sketch Map of the region bounded by Eastings 20 and 30 and North of Northing 40, using a square 10cm by 10cm.

(i) Mark and name the following features;

- International boundary.
- Seasonal swamp.
- River Sio
- All weather road; Loose surface B 8/3 (6mks)

(ii) State the R.F scale of your sketch. (2mks)

7. Below is a Map showing distribution of Fold Mountains in the world. Use it to answer the questions that follow.



(a) Name the Fold Mountains marked A,B,C and D. (4mks)

(b) (i) Give TWO differences between Simple Symmetrical Fold and Asymmetrical Fold. (2mks)

(ii) Briefly explain what brings about the Minor and Major Folds within the Anticlinorium and Synclinorium complexes. (5mks)

(iii) Apart from Fold Mountains identify TWO other features resulting from Folding. (2mks)

(c)(i) With the aid of diagrams briefly describe the formation of Fold Mountains. (9mks)

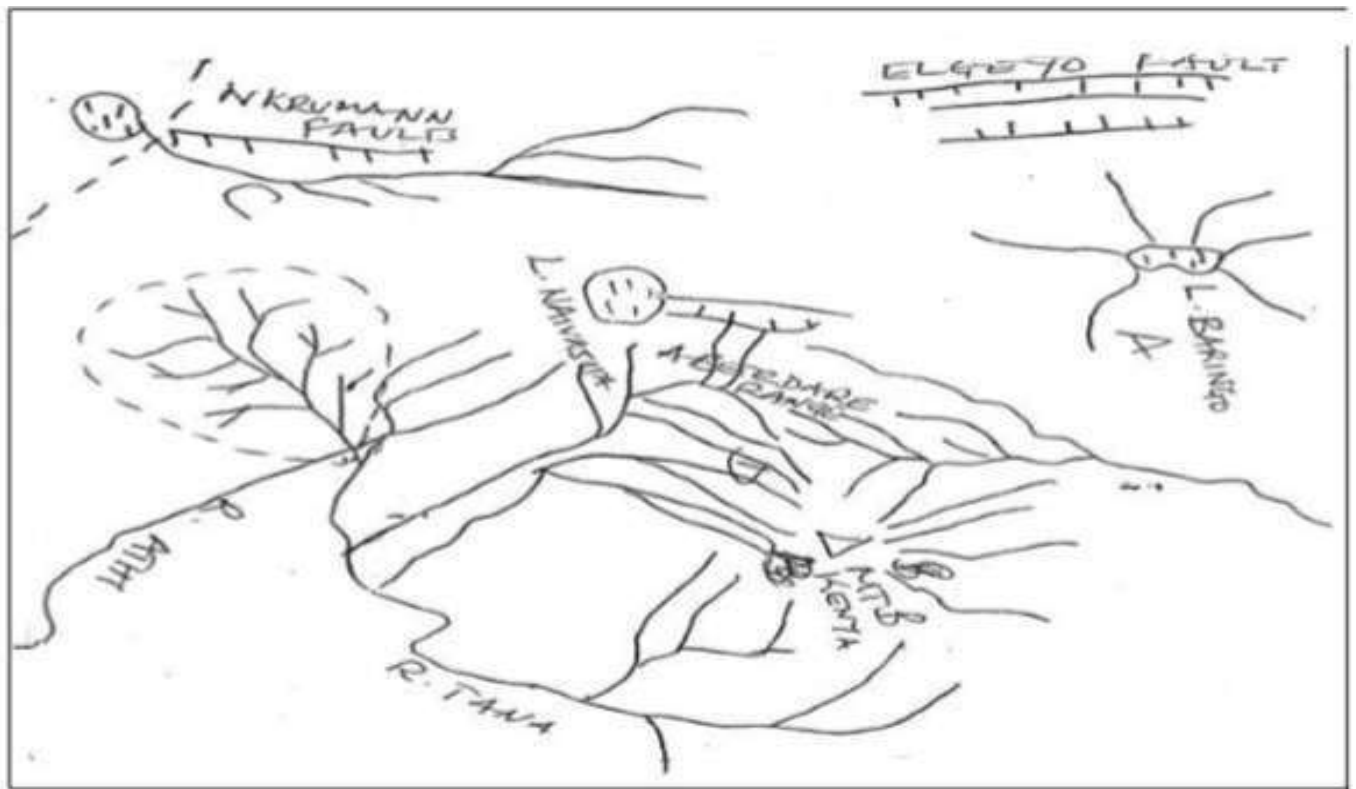
(ii) State THREE ways in which Fold Mountains can influence climate. (3mks)

8. (a)(i) State TWO ways through which waterfalls may be formed. (2mks)

(ii) Explain the following processes through which a river may erode its valley.

- Abrasion (3mks)
- Solution (2mks)

(b) The Map below shows some drainage patterns portrayed by some rivers in Kenya. Use it to answer the questions that follow.



(i) Identify the drainage patterns marked A, B, C and D. (4mks)

(ii) What is river rejuvenation? (1mk)

(iii) With the aid of well labeled diagrams, describe how a river capture takes place. (7mks)

(c)(i) Identify TWO conditions necessary for the formation of a river delta. (2mks)

(ii) Differentiate between Arcuate delta and Bird's foot delta. (2mks)

(iii) Give TWO negative effects of rivers to man. (2 mks)

9. (a)(i) Give THREE processes that may lead to formation of lakes. (3mks)

(ii) Describe how the following lakes are formed.

- Oasis (4mks)

- Cirque lakes (4mks)

(b)(i) Apart from Lake Magadi name TWO other lakes within the rift valley of Kenya that have high level of salinity. (2mks)

(ii) Explain THREE reasons why some rift valley lakes are fresh. (6mks)

(c)(i) Your class intends to carry out a field study on the effect of Lake Victoria on human activities in the surrounding area

(ii) Identify THREE activities that they would carry out in the field. (3mks)

(iii) Why would they prefer to study this topic in the field? (3mks)

10. (a) (i) What is vegetation? (1mk)

(ii) Give the names of temperate grassland in the following countries.

- Argentina

- South Africa.

- U.S.A

- Australia (4mks)

(iii) State any TWO characteristics of coniferous forest. (2mks)

(b) State FIVE characteristics of hot desert vegetation. (5mks)

(c) Apart from inorganic material list any THREE soil properties that affect plant growth and distribution. (3mks)

(d) Explain FIVE significance of vegetation to human beings. (10mk)