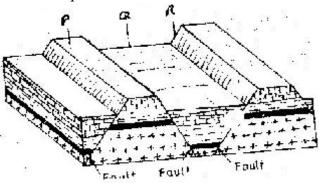
GEOGRAPHY PAPER 312 / 1 K.C.S.E 2002 SECTION A

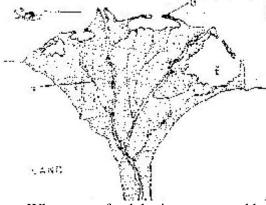
Answer all the questions in this section

1. The diagram below represents features produced by faulting.

Use it to answer questions that follow.



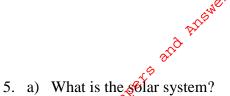
- a) Name the features marked P,Q, and R
- b) Differentiate between a normal faulty and a reverse fault.
- 2. Use the diagram below to answer question (a)



- a) i) What type of a delta is represented by the diagram?
 - ii) Name the features marked E,F, and G.
- c) State two conditions necessary for the formation of a delta.
- 3. a) what is desertification?
 - b) State two negative effects of desertification.
- 4 a) The table below shows climatic data of a station in Kenya. Use it to answer question(a)

| Month | Jan | Feb | Mar | April | May | June | Jul | Aug | Sep | Oct | Nov | Dec |
|----------|------|------|------|-------|------|------|------|------|------|------|------|------|
| Temp | 28.9 | 29.7 | 30.3 | 29.9 | 29.7 | 29.2 | 28.4 | 28.7 | 29.6 | 30.1 | 29.2 | 28.7 |
| in °C | | | | | | | | | | | | |
| Rainfall | 9.0 | 8.0 | 21.0 | 49.0 | 25.0 | 9.0 | 20.0 | 10.0 | 4.0 | 10.0 | 17.0 | 11.0 |
| in mm | | | | | | | | | | | | |

- i) What is the annual range of temperature at the station?
- ii) Calculate the total rainfall for the station.
- b) State three factors that influence climate.



- - b) Use the dragram below to answer the questions that follow.



- What type of eclipse is represented by the diagram? i)
- ii) Name the features marked L and M

SECTION B

- 6 Study the map of Kisumu East (1:50000) provided and answer the following questions.
 - i) What is the bearing of the trigonmetrical station at Grid reference 081980 from the rock out crop at grid reference 071992.
 - ii) Measure the length of the all – weather road (bound surface) b2 /1 from the junction at grid reference 947911 to the edge of the Map, grid reference 947667.(Give your answer in kilometers)
 - iii) On a rectangle, mark and name:
 - Describe the relief of the area covered by the map. b) i)
 - Explain how relief has experienced settlement in the area covered by the ii)
 - Citing evidence from the map, give three economic activities carried out in the area covered by the map other than crop growing.

Economic Activities

Evidence

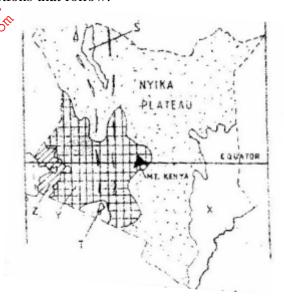
Quarrying

Processing

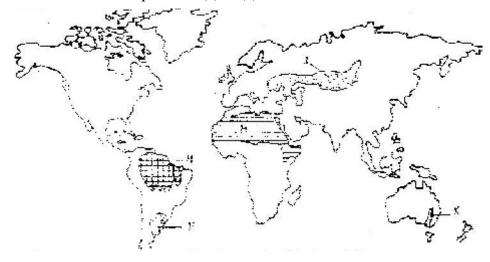
Transportation.

- d) Students from the school at Mosongo (Grid square 0681) carried Out a field study of the course of the river Ombeyi.
- State three findings they are likely to have come up with. i)
- ii) Give three advantages of studying rivers through fieldwork.

7. The map below shows the physical regions of Kenya. Use it to answer the questions that follow.



- a) i) Name the regions marked.
 - ii) Give the major economic importance of each of the lakes marked S and T.S
 - iii) Describe how Mt.kenya was formed.
 - iv) State three ways through which Mt.kenya has influenced the drainage of the area.
- c) Suppose students are to carry out a field study of the soils found in the Nyika plateau.
 - i) State three methods they are likely to use to collect data.
 - ii) The students identity the soils for further analysis. Give three characteristics of the desert soils that they are likely to study.
- 8. The map below shows some vegetation regions of the world. Use it to answer questions (a) to (c).

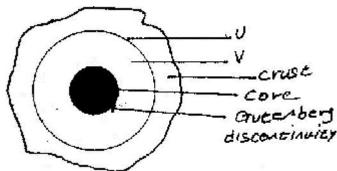


- es and Answere
- a) Name the temperate grasslands marked H, J and K.
- b) Describe the characteristics of the natural vegetation found in the shaded warea marked N.
- Explain four ways in which the vegetation found in the area marked M adapts to the environment conditions of the region.

You are required to carry out a field study of the vegetation within the local environment:

- i) a part from identifying the different types of plants, state three other activities you will carry out during the field study.
- ii) How will you identify the different types of plants?

The diagram below represents the internal structure of the earth. Use it to answer question(a)



- (a) Name the part marked U and V.
- (b) Describe the deposition of:
 - i. The crust
 - ii. The core
- (c) (i) What are earthquakes
 - (ii) Name two types of earthquakes.
 - (iii) State the five ways in which the earths' crust is affected by earthquakes.
- (d) You intend to carry out a field study of an area recently affected by intense earthquake.
 - i. Give two sources of information that you would use in preparation for the study.
 - ii. Explain two factors that would make it difficult for you to collect accurate data during the field study.

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