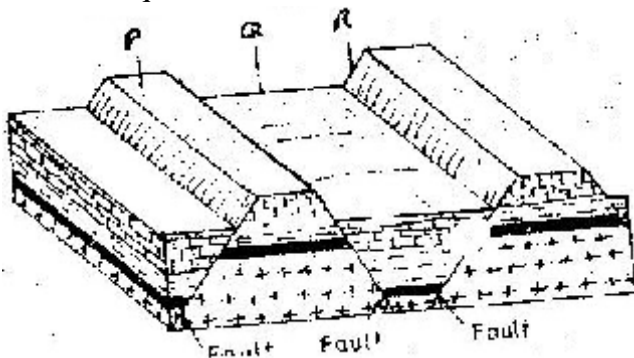


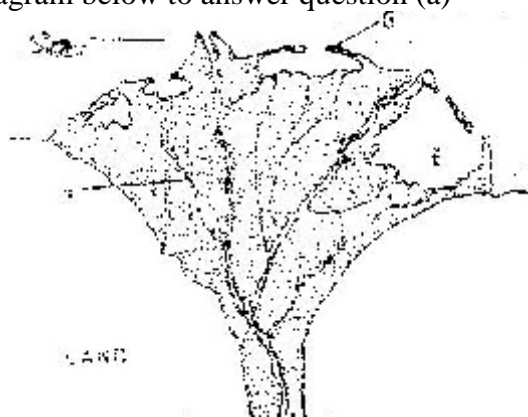
GEOGRAPHY PAPER 312 / 1 K.C.S.E 2002
SECTION A

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 fault and a reverse fault.
2. Use the diagram below to answer question (a)

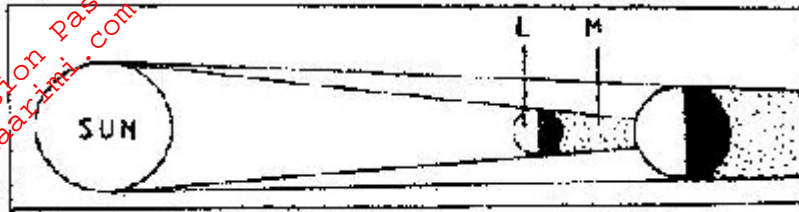


- a) i) What type of a delta is represented by the diagram?
 ii) Name the features marked E,F, and G.
- c) State two conditions necessary for the formation of a delta.
3. a) what is desertification?
 b) State two negative effects of desertification.
4. a) The table below shows climatic data of a station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

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

- 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.

5. a) What is the solar system?
 b) Use the diagram below to answer the questions that follow.



- i) What type of eclipse is represented by the diagram?
 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 trigonometrical 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:
- b) i) Describe the relief of the area covered by the map.
 ii) Explain how relief has experienced settlement in the area covered by the map.
- c) 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

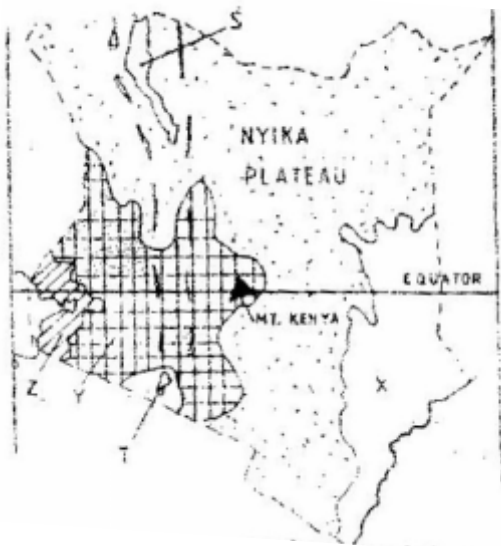
Quarrying

Processing

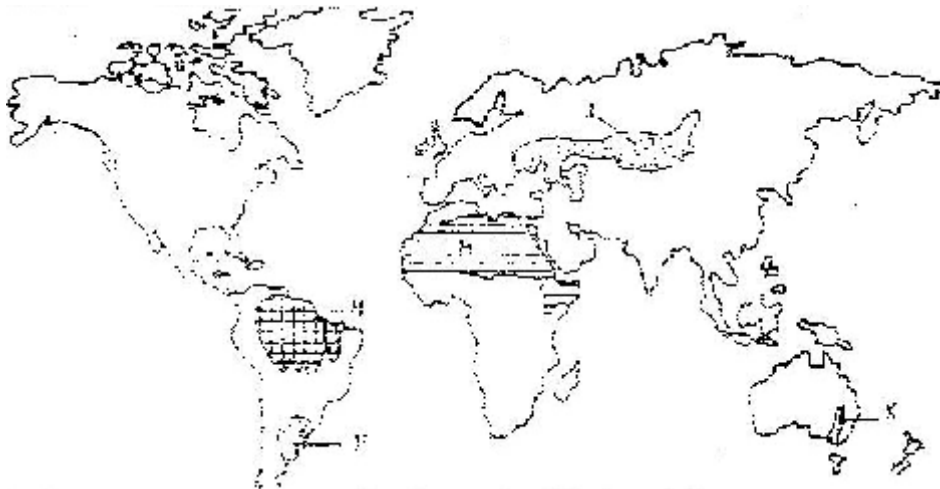
Transportation.

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

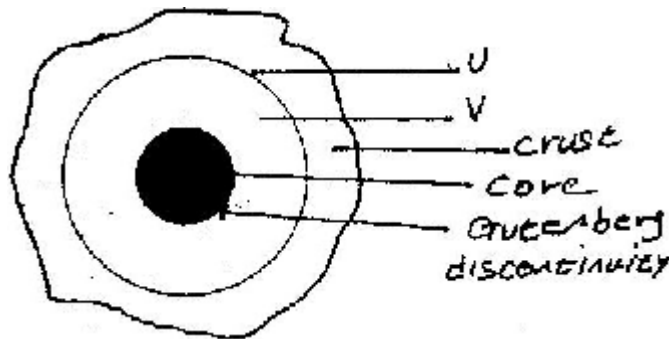
7. The map below shows the physical regions of Kenya. Use it to answer the questions that follow.



- 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 identify 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).



- a) Name the temperate grasslands marked H, J and K.
 - b) Describe the characteristics of the natural vegetation found in the shaded area marked N.
 - c) Explain four ways in which the vegetation found in the area marked M adapts to the environment conditions of the region.
 - d) 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?
9. 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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