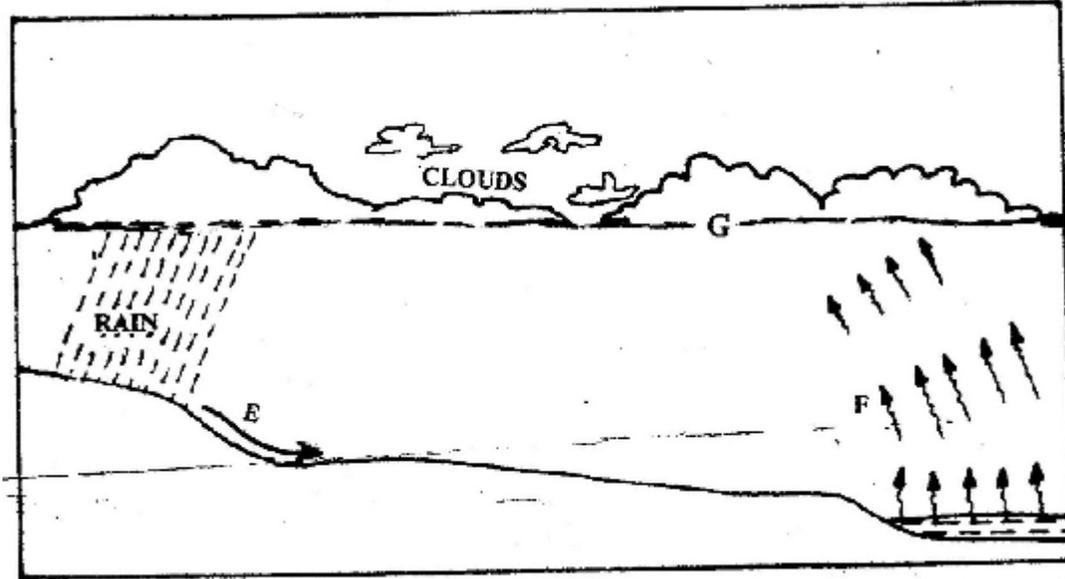


GEOGRAPHY PAPER 1 2005

Answer all the questions in this section

SECTION A

1. (a) Name two theories of the origin of the earth (2 mks)
(b) Name four layers of the earth's atmosphere (4 mks)
2. (a) The diagram below shows the hydrological cycle. Name the stages marked E, F, and G (3mks)



- (b) Differentiate between watershed and a catchments area (2 mks)
3. (a) State two characteristics of sedimentary rocks (2mks)
(b) Give two examples of chemically formed sedimentary rocks (2mks)
4. (a) Name a place in Kenya where tarns are found (1mk)
(b) Describe how a tarn is formed (4 mks)
5. (a) What is a natural vegetation? (2mks)
(b) State three characteristics of Mediterranean vegetation (3 mks)

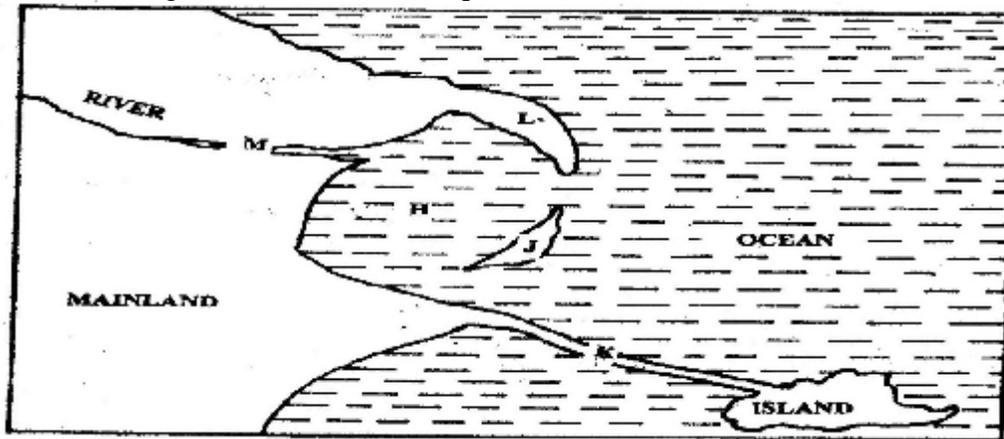
SECTION B

Answer questions 6 and any other two questions in this section

6. Study the map of SILALONI (1:50,000) provided and answer the following questions
- (a) (i) Convert the ratio scale of the map extract into a statement scale (1 mk)
(ii) Give the six – figure grid reference of the point where the power line crosses the Samburu – Silaloni dry weather road (1 mk)
(iii) Give three types of natural vegetation shown in the area covered by the map (2 mks)

- (b) (i) Identify two sources of water in the area covered by the map (2mks)
(ii) Using evidence from the map, suggest four functions of Tsangatsini township. (4mks)
- (c) Using a vertical scale of 1 cm to represent 20m:
(i) draw a cross section from grid reference 400915 to 500915 (3 mks)
(ii) On the cross section, mark and name the following:
❖ A river
❖ A road
❖ A quarry
(iii) Calculate the vertical exaggeration of the section you have drawn (2 mks)
- (d) Students at Silaloni school (grid square 3199) carried out a field study on the soils around the school
(i) Give four reasons why a reconnaissance was necessary for the field study (4mks)
(ii) Name two types of soils they collected (2mk)

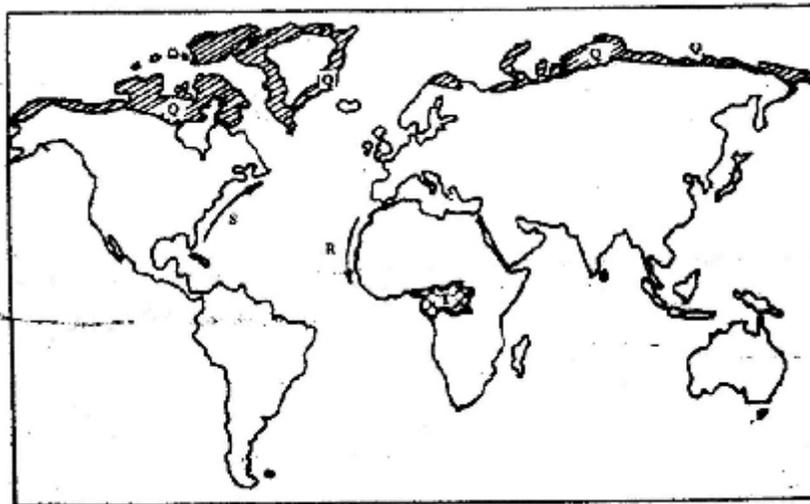
7. Use the diagram below to answer question (a)



- (a) Name the coastal features marked H,J,K,L and M (5mks)
- (b) (i) state four conditions necessary for the formation of a beach (4mks)
(ii) Describe three processes involved in marine erosion (6mks)
- (b) You are planning to carry out a field study on the depositional features along the coast of Kenya
(i) State five objectives you would formulate for your study (5mks)
(ii) Give five methods you would use to record the information collected (5mks)
8. (a) Name one fold mountain in:
(i) Asia (1mk)
(ii) North America (1mk)
(iii) South Africa (1 mk)

- (b) (i) Apart from fold mountains, name three other features resulting from folding (3mks)
- (ii) With the aid of a labeled diagram, describe the formation of an thrust fold
- (c) Explain four effects of fold mountains on human activities (8mks)
- (d) Students are planning to carry out a field study on landforms in their strict.
- (i) State three ways in which the students would prepare themselves for the filed study (3mks)
- (ii) Give two advantages of studying landforms through field work (2mks)

9. Use the map below to answer questions (a) and (b)



- (a) Name:
- (i) The type of climate found in the shaded area marked Q (1 mk)
- (ii) The ocean current marked R and S (2 mks)
- (b) Describe the characteristics of the type of climate found in the shaded area marked T (8 mks)
- (c) Explain how the following factors influence climate
- (i) Altitude (4 mks)
- (ii) Distance from the sea (4 mks)
- (c) (i) Describe a suitable site where you would locate a weather station in your School (2 mks)
- (ii) Give reasons why a Stevenson's screen is:
- Painted White (2 mks)
 - Has louvers (2 mks)