

**FORM 2**

**GEOGRAPHY**

**SECTION A**

***Answer all the questions***

1. (a) What is the relationship between Geography and mathematics (2mks)

- (b) State three reasons why it is important to study Geography (3mks)

2. (a) Name the two layers of discontinuity that make up the interior of the earth (2mks)

- (b) State three characteristics of the outer core in interior structure of the earth (3mks)

3. (a) Give three causes of earthquakes (3mks)

(b) Name two major earthquakes zones of the world (2mks)

4. (a) What is a rock? (2mks)

(b) Give three characteristics of sedimentary rocks (3mks)

5. (a) Outline the steps followed when measuring humidity using a hygrometer (3mks)

(b) Give two factors that influence relative humidity (2mks)

## SECTION B

***Answer all the questions in this section***

6. The diagram below represents zones of natural vegetation on a mountain in Africa. Use it to answer questions a (i) and (ii)

(a) (i) Name the vegetation zones marked W, X and Y (3mks)

(ii) Describe the characteristics of the savannah vegetation (6mks)

(iii) Name the temperate grasslands found in the following countries

- Canada (1 mk)
- Russia (1 mk)
- Australia (1 mk)

(b) Explain four causes of the decline of the areas under forests in Kenya (8mks)

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(c) You are supposed to carry out a field study on the uses of vegetation in the area around your school

(i) State five reasons why it would be necessary for you to visit the area before the day of the study (5mks)

7. (a) Name three types of faults

(3mks)

(b) With the aid of diagrams describe how the Great Rift Valley may have been formed by tensional forces

(8mks)

(c) Apart from tensional forces, explain two other processes that may cause faulting (4mks)

(d) Explain five ways in which faulting is of significance to human activities (10mks)

8. (a) What is weather?

(b) The table below shows rainfall and temperature figures of a station in Africa

(2mks)

Month J F M A M J J A S O N D

Temp oc 24 24 23 22 19 17 17 18 19 20 22 23

Rainfall in mm 109 122 130 76 52 34 28 38 70 108 121 120

- (1) On the graph paper provided draw a bar graph to represent the rainfall figures (use a vertical scale of 1cm to represent 10mm) (6mks)
- (ii) Calculate the average monthly temperature for the station. (show your calculations) (2mks)

(b) You are supposed to carry out a field study on weather within your school compound.

(i) Describe how you would use a rain gauge (4mks)

(ii) Give three reasons why it is important to study weather through field work (3mks)

(iii) State four qualities in the construction of a Stevenson screen they would have observed during the study (4mks)

d) State **four** characteristics of the stratosphere

(4 marks)

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