**OPENER EXAMS**

**GEOGRAPHY FORM FOUR**

**TERM ONE 2023**

**TIME; 1½ Hrs**

**NAME……………………………………………………….…..CLASS………….ADM…………**

**SECTION A (25MKS)**

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

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

1. a) Describe the solar system (2 mks)

b) The local time at town x 600W is 11.30 a.m. What is the time in Nairobi 370E

 (3 mks)

1. a) Name the **two** major types of earth movements that occur within the earth’s crust

 (2 mks)

b) State **three** evidences supporting the theory of continental drift (3 mks)

1. a) What is an earthquake? (1 mk)

b) Identify the scale used to measure

 i) The intensity of the earthquake (1 mk)

 ii) The magnitude of the earthquake (1 mk)

 iii) Give **two** negative effects of earthquake (2 mks)

1. a) What is hydrological cycle (2 mks)

b) Give **three** depositional features in the old stage of the river (3 mks)

 **SECTION B (25MKS)**

1. (a) The table below shows climatic figure for station Q. Use it to answer the questions

that follow.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Months | J | F | M | A | M | J | J | A | S | O | N | D |
| Temp in 0C | 30 | 31 | 31 | 29 | 27 | 27 | 28 | 29 | 28 | 28 | 27 | 30 |
| Rainfall in mm | 257 | 246 | 231 | 234 | 207 | 201 | 218 | 227 | 234 | 240 | 235 | 230 |

 (i) Calculate the annual range of temperature for station Q. **(2 marks)**

 (ii) Give four characteristics of climate for station Q. **(4 marks)**

(iii) With the aid of a well-labelled diagram, describe the formation of cyclonic rainfall. **(6 marks)**

 (b) You intend to carry out a field study of a weather station in your school.

 (i) Give two methods of recording data that you are likely to use. **(2 marks)**

(ii) State three reasons why the recording of data at a school weather station may be

inaccurate. **(3 marks)**

1. (a) Name three types of faults: **(3 marks)**

 (ii) Give two examples of Horst Mountains in east Africa: **(2 marks)**

 (d) A part from the Rift Valley name two other relief features that were formed

 as result of faulting. **(3 marks)**