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

**FORM 2 END OF TERM ONE 2024.**

**INSRUCTIONS: ANSWER ALL THE QUESTIONS IN THE SPACES PROVIDED.**

**TIME: 2.30HRS.**

1.Draw a diagram to show a simple fold, on it mark and name.

1. An anticline
2. A limb
3. A syncline (3mks)

b.) Name **two** fold mountains in Africa. (2mks)

c.) Name two types of rocks which results from the metamorphism of

(i). Granite; (1mk)

(ii).Clay (1mk)

2a.) What is magma. (2mks)

b.) Differentiate between a sill and a dyke (4mks)

 c.) State **three** causes of earthquakes. (3mks)

d.) Give **three** effects of earthquakes in built up area. (3mks)

3a.) Identify **three** mountain building periods. (3mks)

b.) Give **three** reasons why there is no vegetation on top of MT Kenya (3mks)

c.) Define vulcanicity? (2mks)

4a.) Define reasons as why Stevenson screen has the following characteristics.

1. Painted white (2mks)

1. It is raised 121 cm above the ground. (2mks)

b.) Mention **three** characteristics of **ITCZ.** (3mks)

c.) Give **three** methods of weather forecasting. (3mks)

5. Define term faulting. (2mks)

b.) Give **three** causes of faulting. (3mks)

c.) With an aid of well drown and labelled diagram, explain the formation of rift valley by anticlinal arching. (7mks)

d.) Give **three** negative effects of faulting to human. (3mks)

6a.) Name **three** elements of weather. (3mks)

b.) Name **three** types of rainfall. (3mks)

c.) Distinguish between active, dormant and extinct volcanoes. (6mks)

7. The table below shows the temperature and rainfall fingers for a weather station in Kenya. Use it to answer the following questions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | J | F | M | A | M | J | J | A | S | O | N | D |
| Temp0c | 16.2 | 16.5 | 17.1 | 17.1 | 16.1 | 15.2 | 15.2 | 15.0 | 16.0 | 16.1 | 16.1 | 16.3 |
| Rainfall | 100 | 104 | 175 | 232 | 323 | 218 | 196 | 231 | 196 | 152 | 127 | 71 |

1.Calculate:

1. The mean annual temperature for the station. (2mks)

1. The temperature range for the station (2mks)

1. The total amount of rainfall received in the station. (2mks)

1. The mean annual rainfall for the station. (2mks)

8. What is rock? (2mks)

b.) Give **two** characteristics of sedimentary rocks. ( 2mks)

c.) Name **two** types of scale. (2mks)

d.) Convert the following R.F and the statement 1:50,000cm. (2mks)

1. Between **Asteroids** and **comets.** (2mks)

1. Name **two** theories that attempt to explain the origin of the earth and solar system. (2mks)
2. You are planning to carry out a field study on rocks within the local environment.
3. List **two** methods you would use on rocks within the local environment.

 (2mks)

1. State **three** problems you are likely to encounter. (3mks)

1. State two economic uses of rocks you are likely to identify. (2mks)

d) Identify **two** branches of geography (2mks)

10. List down **five** types of folds (5mks)

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