**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CLASS\_\_\_\_\_\_\_\_\_ADM\_\_\_\_\_\_**

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**(312)**

**GEOGRAPHY**

**TIME: 2HOURS**

**FORM 2 JANUARY 2023 TERM 1 OPENER EXAM**

**INSTRUCTIONS TO CANDIDATES.**

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

**FOR EXAMINERS USE ONLY**

|  |  |
| --- | --- |
| **QUESTIONS** | **CANDIDATES SCORE** |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **6** |  |
| **7** |  |
| **8** |  |
| **9** |  |
| **10** |  |
| **TOTAL SCORE** |  |

1. Define the following terms. (2mks)

a) i)Mineral

ii) Rock. (2mks)

b) State **four** ways in which minerals occur in the Earth crust. (3mks)

c) Give **four** characteristics of minerals. (4mks)

d) Name where the following minerals occur in East Africa. (3mks)

i) Limestone in Kenya.

ii) Gold in Tanzania.

.

iii) Soda ash in Kenya.

(e) Outline any **five** factors influencing exploitation of minerals (5mks )

(ii)Name **three** common methods of mining (3mks)

f) Outline any **five** effects of mining on the environment (5mks)

2 a) Differentiate between Physical and Human environment. (2mks)

b) Outline **four** reasons why students study geography in Secondary school. (8mks)

3 a) Give **two** forces which influenced the shape of the Earth **(**2mks)

(b). Give **four** effects of earth rotation (4mks)

4. Name **two** dates in the year when the sun is overhead the equator (2mks)

iii) Give **four** seasons which are as result of earth revolution (4mks)

5 a) What is fieldwork? (2mks)

b) List **three** main types of fieldwork. (3mks)

c) Outline **four** methods of collecting data during field study. (4mks)

d) State **three** advantages of using field work to study rocks in geography. (3mks)

6 a) Apart from sketch map, name **two** other common types of maps. (2mks)

b) Give **four** characteristics of a good sketch map. (4mks)

c) Convert the following scale into ratio scale. 1cm represents 5km (2mks)

7. a) Explain **three** factors to consider while siting a weather station. (6mks)

b i) Apart from land and sea breeze, name **four** other types of local winds. (4mks)

ii) Describe how sea breezes are formed. (4mks)

c) Give **three** reasons why it is necessary to carryout weather forecasting. (3mks)

8. a) Differentiate between primary and secondary data. (2mks)

b) List **three** sources of secondary data. (3mks)

9. a) Identify **two** categories of rocks according to their mode of formation ,apart from sedimentary rocks. (2mks)

b) The following rocks were subjected to intense heat and pressure on the earth surface and changed. Name the new rock formed. (4mks)

|  |  |
| --- | --- |
| **Original rock** | **New rock formed** |
| Granite |  |
| Limestone |  |
| Mudstone |  |
| Sandstone |  |

c) Name **three** types of sedimentary rocks (3mks)

d)(i)Define the term metamorphism as used in rocks formation (2mks)

(ii) Give **three** types of metamorphism (3mks)

10. (a) What is atmosphere? (1mk)

(b) Name **four** main layers of atmosphere (4mks)

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