**NAME**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **ADM**\_\_\_\_\_\_\_\_\_\_

**CLASS**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**GEOGRAPHY**

**FORM 1**

**TERM 3**

**YEAR 2023**

**TIME: 2 ½ hours**

**INSTRUCTIONS**

1. Write your name and admission number in the spaces provided above.
2. Answer all the questions in the spaces provided.
3. a) Mention two areas studied in practical geography. (2mks)

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b) Name two areas of interest in physical geography. (2mks)

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c) State three significance of learning geography. (3mks)

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1. a) What is the solar system? (2mks)

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b) Name two forces responsible for the spherical shape of the earth. (2mks)

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c) Give three reasons why interior part of the earth is very hot. (3mks)

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1. a) Distinguish between absolute humidity and relative humidity. (2mks)

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b) State three conditions necessary for the formation of dew. (3mks)

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1. a) Differentiate between rocks and minerals. (2mks)

b) Give three ways in which rocks can be classified. (3mks)

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c) Distinguish between the following types of rocks; (6mks)

1. igneous plutonic rocks

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1. volcanic rocks

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1. hypabyssal rocks

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d) Selected students from Henrok schools carried out a field study on rocks in their county.

1. State three reasons why it would be necessary for them to conduct a reconnaissance to the study area. (3mks)

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1. Give two methods used to record data. (2mks)

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1. State three importance of rocks identified. (3mks)

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1. a) What is a weather station? (2mks)

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b) Name all the instruments stored in a Stevenson screen. (4mks)

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c) Using a well labelled diagram, explain how a minimum thermometer works. (6mks)

d) The methods of weather forecasting can broadly be categorized into three; name them. (3mks)

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1. Study the table below and answer the questions that follows.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **J** | **F** | **M** | **A** | **M** | **J** | **J** | **A** | **S** | **O** | **N** | **D** |
| **Temperature 0c** | 29 | 28 | 30 | 30 | 29 | 29 | 29 | 27 | 29 | 30 | 30 | 30 |
| **Rainfall in mm** | 10 | 9 | 22 | 48 | 26 | 9 | 24 | 10 | 5 | 10 | 18 | 11 |

1. i) Using a scale of 1cm represents 50c, construct a simple line graph to represent the information on the temperature and the months. (8mks)

ii) Give two disadvantages of using a simple line graph to represent data. (2mks)

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1. i) Calculate the mean annual rainfall. (2mks)

ii) Calculate the median rainfall from the set of data above. (2mks)

iii) What is the annual range of temperature? (1mks)

1. a) Define the term mining. (2mks)

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b) Mineral ores occur in four main formations, name any three. (2mks)

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c) Name the three methods of mining. (3mks)

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d) Explain any two problems facing mining industry in Kenya. (4mks)

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1. a) Name two types of field work. (2mks)

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b) Outline three importance of field work. (3mks)

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c) State two characteristics of a good hypothesis. (2mks)

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d) Give three importance of a working schedule before carrying. (3mks)

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1. a) Differentiate between discrete data and continuous data giving an example in each. (4mks) (definition 1 mark, example 1 mark)

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b) Outline two factors to consider when preparing a questionnaire. (2mks)

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c) Name any two types of sampling. (2mks)

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d) State two advantages of experimentation. (2mks)