**Name:……………………………………………………………..Class:………Adm No……..**

**TIME: 2 HOURS 15 MINUTES**

**OPENER EXAMINATION: TERM 1 2024**

**FORM 2**

**GEOGRAPHY**

**INSTRUCTIONS. Answer all questions in the space provided.**

1. a) Define the term Environment. (2 marks)

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b) Give **three** subjects related with geography. (3 marks)

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1. (a) Name the **two** main braches of Geography. (2 marks)

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b) Outline the **three** ways in which a student benefit from learning Geography.(3 marks)

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1. a) Define the terms Solar system. (2 marks)

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b) State **three** major weakness of the passing star theory. (3 marks)

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1. a) Give **four** proofs that the earth is spherical. (4 marks)

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b) The diagram below represents the earth on its axis. Use it to answer questions.



1. Name the latitude marked G,H, I. (3 marks)

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1. What is the angle of inclination of the earth’s axis from its orbit? (1 mark)

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1. State **four** effects of the rotation of the earth. (4 marks)

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1. The table below represents rainfall and temperature figure for a town in Kenya. Use it to answer the questions that follow.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Month**  | **J**  | **F**  | **M**  | **A**  | **M**  | **J**  | **J**  | **A**  | **S**  | **O**  | **N**  | **D**  |
| **Temp oc** | 27 | 28 | 28 | 28 | 27 | 25 | 25 | 24 | 25 | 26 | 27 | 26 |
| **Rainfall (mm)** | 25 | 38 | 99 | 140 | 277 | 439 | 277 | 69 | 142 | 201 | 71 | 25 |

1. i) Calculate the annual range of temperature for the town. (2 marks)

ii) Calculate the total annual rainfall for the town. (2 marks)

1. Use the scale 1cm represent 5oC draw a simple line graph to represent the temperature data given above. (5 marks)



1. A student was requested to pick out fourteen numbers randomly from a set of numbers: she picked, 20,37,1,66,42,12,6,15,12,42,100,3,82,42: Calculate:
2. The mean of the data. (2 marks)
3. The mode of the data. (1 mark)
4. The median of the data. (2 marks)
5. a) i) Name **three** types of maps. (3 marks)

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 ii) Give **five** characteristics of good sketch maps. (5 marks)

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 iii) Convert 1:50,000 into statement scale. (2 marks)

1. Students of Anestar Precious Girls intended to conduct a field study in Dundori market near their school.
2. State **three** objectives for your study. (3 marks)

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1. List **three** methods they would use to collect data. (3 marks)

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1. What are the methods used to record data? (4 marks)

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1. State **five** problems are you likely to face during the study? (5 marks)

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1. a) Define the term mineral. (2 marks)

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ii) State **five** characteristics of minerals. (5 marks)

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b) Define rock. (2 marks)

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ii) Give **three** ways in which rocks are classified. (3 marks)

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c) State **six** contributions of rocks to the economy of Kenya. (6 marks)

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1. a) Define mining. (2 marks)

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b) Give **five** ways in which minerals occur. (5 marks)

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c) List **five** factors influencing exploitation of minerals. (5 marks)

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d) Identify **four** methods of underground mining. (4 marks)

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