**Kenya Certificate of Secondary Education**

**FORM TWO GEOGRAPHY**

GEOGRAPHY

MARCH/APRIL, 2023

Time 2 hours 45 min.

NAME ………………………………………………………ADMNO: …………………………

SIGN……………………..

**INSTRUCTIONS TO STUDENTS**

* Write all the personal details in the spaces provided
* *Answer* ***ALL*** *the questions in this paper.*
* *ALL drawings should be made in the spaces provided.*
* Answer the Questions in English.

**1. a)** Name **THREE** sub branches of physical geography **(3marks)**

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**b)** Explain the relationship between geography and mathematics **(2 Marks)**

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**2. a)** Name **TWO** planets that lack natural satellites **(2 Marks)**

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**b)** Using the diagram of the solar eclipse below answer the following questions

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**i)** Name the parts marked A, B, and C. **(3 marks)**

* **A-**
* **B-**
* **C-**

**ii)** Apart from the occurrence of eclipses, state **TWO** other effects of the movement of the earth around the sun. **(2 marks)**

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**c) i.** Describe the passing the passing star theory **(4marks)**

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 **ii.** State **THREE** weaknesses of the passing star theory **(3marks)**

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d) What is the local time at Kinshasa 150E when local time at Malindi 400E is 12:00 noon?

**(3marks)**

**3. a)** Using a well labelled diagram describe the occurrence of the relief rainfall **(5marks)**

b) Name **THREE** places in Kenya where the rainfall above may be experienced **(3marks)**

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**c)** State **THREE** problems associated with the convectional rainfall **(3Marks)**

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d) The table below shows mean monthly temperature of Thika town use it to answer the following questions

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | J | F | M | A | M | J | J | A | S | O | N | D |
| Temp ⁰c | 19 | 21 | 21 | 24 | 26 | 18 | 17 | 17 | 19 | 20 | 25 | 28 |

Calculate

**i. )** the mean monthly temperature for Thika town (**2 marks)**

**ii)** the annual range of temperature **(2marks)**

**4 a)** i. Define the term minerals **(2marks)**

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**ii.** Mention **TWO** types of minerals.  **(2marks)**

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b) List **THREE** examples of extrusive igneous rocks **(3marks)**

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**c)** Differentiate between the processes of formation of plutonic and volcanic rocks (**2marks)**

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 d) Explain **THREE** reasons why coral rocks are widespread at the coast **(6marks)**

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**e)** Why is industrial diamond used in shaping hard stones and metals? **(2marks)**

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**5.a)** Explain **FOUR** factors that determine the formation of landforms by internal land forming processes **(8marks)**

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b) Explain **FOUR** causes of earth movement. (8marks)

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**c)** State **THREE** evidences supporting the continental drift theory **(3 marks)**

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 d) List **THREE** types of plate boundaries **(3marks)**

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**6) a)** Differentiate between folding and faulting **(2marks)**

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 **b)** Draw a diagram to show parts of a simple fold **(5marks)**

**c) i.** Name **THREE** types of folds **(3marks)**

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**ii.** Describe the formation of fold mountain **(6marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

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**d**) State **THREE** effects of folding on physical environment **(3marks)**

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