**NAME…………………………………………….ADM NO……………………**

**DATE…………………………………………….CLASS………………………**

**GEOGRAPHY**

**FORM 3**

**TIME: 2½ HRS**

**INSTRUCTIONS**

1. *This paper consists of two sections* ***A*** *and* ***B***
2. *Answer* ***ALL*** *questions in both sections.*
3. *All diagrams must be drawn in pencil.*
4. *All answers must be written in* ***English***
5. *Ensure* ***ALL*** *questions are printed from questions 1 to 7.*

Section A ( answer all questions in this section )

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

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(b). Name **TWO** branches of geography (2mks) ………………………………………………………………………………………………………………………………………………………………………………………………

1. (a). What is a map? (2mks)

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(b). A part from contours, name **THREE** other methods of relief representation on topographical maps (3mks)

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(c)Identify **TWO** methods of locating place on a map (2mks)

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1. (a). Explain the origin of the earth according to passing star theory (6mks)

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(b). Mention **THREE** weaknesses of the theory in (a) above (3mks)

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(c). State **THREE** effects of the revolution of the earth (3mks)

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1. (a). Define the term mineral (1mk)

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(b). Name **FOUR** ways in which minerals occur (4mks)

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(c). State **THREE** significance of rocks in Kenya (3mks)

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1. (a). Give the difference between faulting and folding (2mks)

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(b). Highlight **THREE** types of faults (3mks)

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(c). Mention **TWO** significance of folding to human activities (2mks)

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1. (a). What is weather? (1mk)

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(b)State **FOUR** factors influencing weather (4mks)

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(c). Mention **TWO** weather instruments kept in Steveson Screen (2mks)

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1. (a). Give the meaning of natural vegetation (2mks)

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(b). Give any **THREE** characteristics of equatorial vegetation (3mks)

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**Section B ( answer all questions )**

1. The table below shows the area under different species of trees in forest cover in Kenya. Study the table and answer the questions that follow.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | In ‘000 hectares | | | |
| Year  Tree species | 2013 | 2014 | 2015 | 2016 |
| Mahogany  Pine  Meru oak  Camphor  total | 100  120  140  80  420 | 85  100  120  60  365 | 60  120  100  40  320 | 40  140  80  20  280 |

1. Using a scale of 1cm to represent 20,000 hectares, draw a comparative line graph to represent the data shown. (7mks)
2. State **THREE** disadvantages of using line graphs in representing data (3mks)

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1. (a). Distinguish between forest and forestry (2mks)

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(b). Explain how the following factors influence the distribution of natural forests in Kenya (6mks)

1. Temperature

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1. Aspect

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1. Human activities

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1. (a). Name **THREE** types of field work (3mks)

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(b). Highlight **FOUR** problems a researcher may encounter when carrying out field work (4mks)

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(c). Give **THREE** advantages of using interviews to collect data (3mks)

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1. (a)Name **TWO** earthquake zones of the world (2mks)

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(b). Identify **THREE** causes of earthquakes (3mks)

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1. (a). apart from deep shaft mining, name **THREE** other underground mining methods (3mks)

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(b). State **TWO** factors influencing the exploitation of minerals (2mks)

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1. (a). Differentiate between extrusive vulcanicity and intrusive vulcanicity (4mks)

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(b). State **TWO** significance of vulcanicity to human activity (2mks)

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1. (a). Outline **THREE** characteristic of modified equatorial climate of the coast (3mks)

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(b). Name **THREE** physical features that can be interpreted on photographs (3mks) ……………………………………………………………………………………………………………………………………………………………………………………………..........................................................................................................................................................................................