Name: ……………………………………………………… Class: ………………

Index Number: …………………………………………….. Sign: …………………

School: …………………………………………………….. Date: ………………

312/1

GEOGRAPHY

Paper 1

2hrs 45mins

***Kenya Certificate of Secondary Education***

**INSTRUCTIONS**

* This paper consist of two sections: **A** and **B**
* Answer all questions in section **A**
* In section **B** answer question **6** (***compulsory***) and any other **two** Questions
* All answers must be written on the spaces provided
* Check the question paper to ensure that all pages are printed and no questions are missing

**FOR OFFICIAL USE ONLY**

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| --- | --- | --- | --- |
| SECTION A | SECTION b |  |  |
| 1 - 5 | 6 | 7 | 8 | 9 | 10 | TOTAL |  |
|  |  |  |  |  |  |

**SECTION A**

***Answer all questions in this Section***

1. (a) Define **Fog**. (2 marks)

(b) State **three** conditions for formation of dew. (3 marks)

1. (a) Give **three** examples of west coast deserts. (3 marks)

(b) Describe the process of wind deflation. (2 marks)

Use the diagram below to answer question 3



1. (a) Identify the type of weathering. (1 mark)

(b) Describe how the process occurs. (4 marks)

1. (a) State **three** causes of dynamic river rejuvenation. (3 marks)

(b) Give **two** rivers in Kenya where in trenched meanders are found.

 (2 marks)

1. (a) Define magnitude of earthquake. (2 marks)

(b) Give **three** types of earthquakes. (3 marks)

**SECTION B**

***Answer all question 6 (compulsory) and any other two questions from this Section.***

1. (a) (i) State the map title. (1 mark)

(ii) Convert the maps linear scale to a statement scale.

 (2 marks)

(iii)Locate the air photo principal point labeled 58 (grid 8235) using latitudes and longitudes. (2 marks)

(b) (i) Name any **three** drainage features in Oyugis map. (3 marks)

(ii) Calculate the bearing of Ongala School in Gendia from Disi School. (2 marks)

 (iii) Measure the distance of all-weather road loose surface C20 from the junction in Rodi Kopany to the junction at Nyarach School. (Give your answer in metres) (2 marks)

(c ) Draw a sketch section along Northing 36 between Eastings 67 and 76. On it mark and label

1. River,
2. Water reservoir,
3. Hill

 (7 marks)

(d) Citing evidence from Oyugis map, explain three factors that are responsible for dominance of brickworks in Oyugis. (6 marks)

1. (a) (i) Define **Aspect**. (2 marks)

(ii)Describe how forests influences climate. (4 marks)

(b) Study the map of Africa and use it to answer questions that follow.



1. Name the climatic types in the following towns. (3 marks)
* Johannesburg
* Cape town
* Durban
1. Describe the characteristics of the vegetation type found in the region marked A. (7 marks)
2. State any **four** characteristics of rainfall in the area marked **B**. (4 marks)
3. Your class went for a field study to the region marked **R.** State any five features of plants you could have observed in the area. (5 marks)
4. (a) (i) Define a **Spring**. (2 marks)

(ii) State **three** ways through which a spring may be formed. (3 marks)

(b) (i) Give **four** characteristics of a Karst landscape. (4 marks)

(ii)Outline **three** areas in East Africa where Karst landscape is common. (3 marks)

(c ) Describe the formation of the following features.

1. Uvala (5 marks)
2. Pillar (8 marks)
3. (a) (i) Differentiate a **Stack** from a **Stump**. (2 marks)

(ii) Study the diagram below and us it to answer the questions below.



1. Name the features marked **E, F** and **G**. (3 marks)
2. With the aid of a well labeled diagram, describe how a geo is formed. (1 mark)
3. Describe how coral coasts are formed. (6 marks)
4. Your class went for a field study on the nature of ocean water
5. Identify **two** characteristics of ocean water you are likely to study. (2 marks)
6. State **two** problems you are likely to experience.

 (2 marks)

1. (a) (i) Define the term **Glaciation** (2 marks)

 (ii) Name any **three** ways through which ice move. (3 marks)

(b) Describe how the following features are formed.

1. Eskers (7 marks)
2. Terminal moraine (7 marks)

(c ) Explain **three** negative effects of glaciation to human environment. (6 marks)

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