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

**SIGNATURE ….………..…..……….**

**312**

**GEOGRAPHY**

**FORM ONE**

**TIME: 2 HOURS**

**OPENER EXAMINATION TERM 3, 2022**

***Kenya Certificate of Secondary Education***

**INSTRUCTIONS TO CANDIDATES: -**

* + *Write your name, Admission number and class in the spaces provided above.*
  + *Answer all the questions in the spaces provided*
  + *Candidates should answer the questions in English.*

1. (a) Name two subdivisions of human geography. ( 2 marks)

( b) Define the following terms ).

(i). Geomorphology: (2Marks)

(ii). Climatology: ( 2Marks)

c i) Draw a diagram of the internal structure of the Earth. (1mk)

On it label the following parts :- Sima. (1mk)

-Hydrosphere. (1mk)

- Asthenosphere. (1mk)

ii) Name the zone of discontinuity that occurs between the crust and the mantle.(1mk)

iii) Outline three characteristics of the Sial. (3mks)

(v) Give two reasons why the interior of the Earth is still very hot. (2mks)

2(a) What is a Land Breeze (2mks)

(b) Give three ways in which sea breeze influence the adjacent land. ( 3 marks)

(c)i. what is a Stevenson screen ( 2 marks)

(ii) Name three instruments that are placed in Stevenson screen (3 marks )

3 (a). State three effects of the rotation of the earth ( 3 marks )

(b) State four proofs that the earth is spherical ( 4 marks )

4. (a)Name four layers of the atmosphere ( 4 marks )

(b) Give two local winds that are found in Kenya (2marks)

(c) State three conditions necessary for formation of dew (3marks)

5) a)i) What is a map? (2marks)

ii) State three uses of a map. ( 3marks)

b) State three types of scale. (3mks)

( c)i). Convert the following scale into a statement scale. (2mks)

1:250,000

6 a) List the three types of Norths on a topographic map. (3mks)

b) State three examples of marginal information on a map. ( 3mks)

c)i) . State three methods used to calculate area of an irregular feature in a map. (3marks)

(ii) State two Forces that influenced the oblate spheroid of the earth (2mks)

(iii) If the local time in Kampala ,Uganda 30oE is 9.00pm ,what will be the time in Accra Ghana 0o (2mks)

7a) What is fieldwork? (2mks)

b) List three main types of fieldwork. (3mks)

c) Outline four methods of collecting during field study. (4mks)

b) Give four characteristics of a good sketch map. (4mks)

8 a). Differentiate between primary data and secondary data. (2mks)

b) List two sources of secondary data. (2mks)

c) A student from your class picked the following numbers at random:

**27,40,41,21,92,75,21,41,20,41,23.**

i) Calculate the mean of the data. (2mks)

ii) Determine the median value of the data. (2mks)

iii) Determine the modal value of the data. (2mks)

9. a. Apart from planets give four other heavenly bodies. ( 4mks)

b. Give three advantages of simple bar graph (3Mks)

c. State three methods of collecting data (3Mks)