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

**SCHOOL:………………………………………………SIGNATURE………………………………**

**312**

**GEOGRAPHY**

**Form 1**

**THIRD TRIAL 2017**

**Time: 2¾ hours**

**312/1**

**GEOGRAPHY**

**Form 1**

**Time: 2¾ hours**

**INSTRUCTIONS TO CANDIDATES.**

1. *This paper has* ***19 questions.***
2. *Answer* ***all*** *the questions provided.*

1 a. Define the term Geography (2 marks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 b. Name three main branches of Geography (3 marks)

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2. Define the following terms (4 marks)

Asteroids

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

Comets

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

3. Apart from the earth which are other planets. (7 marks)

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4. Outline two weakness of the passing star theory (2 marks)

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5. Show how the following subjects are related to Geography. (4 marks)

Physics

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History

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6 a. Identify the gap between the crust and mantle (1 marks)

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 b. Outline the characteristics of the core (5 marks)

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7 a. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ forces cause bulging of the earth at the equator and the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ force cause flattening at the poles (2 marks)

b. State five evidence that show the earth is spherical in shape (5 marks)

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8. Differentiate between revolution and rotation of the earth (2 marks)

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9. If the time at longitude 60° B is 10.00 am, what is the time in the following longitudes (3 marks)

a) 100° East

…………………………………………………………………………………………………………………

b) 30° West

…………………………………………………………………………………………………………………

l0 a. What is Stevenson’s Screen (2 marks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 b. Why does the Stevenson’s Screen have

Metal stands (1 mark)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

Double boarding (1 mark)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 121. cm above the ground (1 mark)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

11. Using a diagram explain how the maximum thermometer works. (8 marks)

b. Define the following (6 marks)

Diurnal range

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

Mean monthly temperature

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………

Mean annual temperature

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12. Name four seasons that occur due to the revolution of the earth. (4 marks)

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13 a. Define the term humidity (2 marks)

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 b. State the importance of humidity (2 marks)

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 c. Write down the formula used to calculate relative humidity (2 marks)

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14. Define the following terms: (6 marks)

Frost

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Mist

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Sleet

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15. Describe how the sea breeze occurs (4 marks)

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l6 a. Name three types of high clouds (3 marks)

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 b. State two characteristics of cumulus clouds (2 marks)

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17a. Define the term weather forecasting (2 marks)

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b. Outline the importance of weather forecasting (4 marks)

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18. Identify the four main layers of atmosphere (4 marks)

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19. The following are weather elements, name the instruments used to measure each element.

Element Instrument (3 marks)

Atmospheric Pressure

Wind speed

Sunshine