

NAME:.....ADM.NODATE.....

SCHOOL:.....SIGNATURE.....

312
GEOGRAPHY
Form 1
THIRD TRIAL 2017
Time: 2¾ hours

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INSTRUCTIONS TO CANDIDATES.

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

1 a. Define the term Geography

(2 marks)

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b. Name three main branches of Geography

(3marks)

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2. Define the following terms (4 marks)
Asteroids

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Comets

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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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7a. 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

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b) 30° West

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10a. What is Stevenson's Screen (2 marks)

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b. Why does the Stevenson's Screen have Metal stands (1 mark)

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Double boarding

(1mark)

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.....

121. cm above the ground

(1 mark)

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.....

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

b. Define the following (6 marks)
Diurnal range

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Mean monthly temperature

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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 (2marks)

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

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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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16a. 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.

<u>Element</u>	<u>Instrument</u>	(3 marks)
Atmospheric Pressure		
Wind speed		
Sunshine		