

SEROMA CHRISTIAN HIGH SCHOOL
S. 2 PRINCIPLES AND PRACTICES OF AGRICULTURE
HOME ASSESMENT 2021

NAME:

INSTRUCTIONS: - *Answer all questions and read the questions carefully.*

SECTION A (80 MARKS)

Choose the correct alternative and write it in the box provided for question 1-10

1. Which one of the following is **NOT** an example of beef cattle

- A. *Sahiwaal*
- B. *Friesians*
- C. *Boran*
- D. *Hereford*

☐

2. Steaming up in animal nutrition refers to:

- A. *Feeding of pregnant cows nutritious feeds during the last two months of gestation*
- B. *Feeding pregnant cows throughout the gestation period with nutritious feeds*
- C. *Process of fattening animals in order to attain the market weight*
- D. *Feeding the heifer before mating*

☐

3. One of the following is an odd man out.

- A. *Flushing*
- B. *Steaming up*
- C. *Creep feeding*
- D. *Vaccination*

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4. A soil sample was found to show the following characteristics; **smooth when dry** and **sticky when wet** with high water holding capacity. This soil is?

- A. *Silt*
- B. *Clay*
- C. *Loam*
- D. *Sand*

☐

5. Soil formation is a process in which rocks undergo;

- A. *Gradual breakdown to form small particles.*
- B. *Mechanical breakdown into small particles.*

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- C. Chemical weathering to breakdown into small particles.
- D. Both mechanical and chemical breakdown to form sand

6. The **subsoil** has a greater accumulation of minerals salts because of;

- A. Regular leaching of minerals
- B. Gravitational pull of minerals
- C. Capillary attraction of minerals
- D. Plant root mineral uptake

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7. Which of the following has the **smallest particle size** in diameter?

- A. Silt soil
- B. Clay soil
- C. Loam soil
- D. Sand soil

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8. Which of the following is available for plant roots to absorb?

- A. Gravitational water
- B. Hygroscopic water
- C. Rain water
- D. Capillary water

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9. Soil texture refers to

- A. Over all aggregation of soil particles in the soil
- B. The distribution of soil particles in loam and clay
- C. The proportion of sand, silt and clay in a sample of soil.
- D. Arrangement of soil particles in the soil.

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10. Which of the following soils has the best conditions for crop growth?

- A. Clay soil
- B. Silt soil
- C. Sandy soil
- D. Loam soil

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(20 marks)

11. Write down **five** characteristics of each of the following animal breeds

Dairy cattle

(05 marks)

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Beef cattle

(05 marks)

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12. (a) Outline **ten (10)** routine management practices of livestock for optimum production

(10marks)

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(b) Give **five (5)** reasons for each of the following livestock rearing practices.

i. Castration

(05 marks)

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ii. Identification

(05 marks)

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iii. Dehorning

(05 marks)

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iv. Steaming up

(05 marks)

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13. Outline **ten (10)** garden tools and equipment used by farmers

(10 marks)

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14. Mention **ten (10)** ways of maintaining the above mentioned tools in good working conditions.

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SECTION B (20 MARKS)

USE THE EXTRA SHEET PROVIDED

15. (a) Write down **six (6)** sources of power on the farm. **(06 marks)**
(b) Outline **seven (7)** advantages of farm mechanization **(07 marks)**
(c) State **seven (7)** limitations (disadvantages) of farm mechanization **(07 marks)**

END