**AGRICULTURE FORM 2 END TERM EXAMS-TERM 1-2023**

**Name: ……………………………**.**……………....…………………………………………… School: ……………………………………………………………………………… Index no: ………………. Candidate’s signature: ……………… Date: ……………………**

**AGRICULTURE FORM 2**

**. TIME; 2HRS**

**INSTRUCTION**

- **This paper has two section A and B**

- **Answer all questions in these sections in the spaces provided after the questions.**

 **SECTION A (70MKS)**

 1.State **two** reasons why farmers should be encouraged to practice organic farming(1mk)

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2. State main categories of parasites (1mk)

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3. State four importance of water treatment. (2mks)

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4. Mention 3 major sources of water on the farm. (3mks)

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 5. State four ways in which nitrogen is removed from the atmosphere (2mks)

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6. State the intermediate hosts of the following parasites. (2mks) (i) Tapeworm(Taenia spp) **…………………………………………………**

*(ii)* Liver fluke ***……………………………………………………………***

7. State 3 forms of soil water. (3mks)

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8. State four vector-borne diseases affecting farm animals. (2mks)

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9. State the plant part used for vegetative propagation in the following plants. (2mks)

i) Pyrethrum

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ii) Sisal

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iii) Pineapples

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iv) Tea

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10. State four pests commonly found in tomatoes. (2mks)

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 11 State **four** qualities considered when selecting seeds for planting (2mks)

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 12 State **four** advantages of crop rotation (2mks)

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 13. State any four post-harvest practices in crop production. (2mks)

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14. Differentiate between soil texture and soil structure (2mks) Soil texture

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Soil structure

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15. State four factors influencing soil formation. (2mks)

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16. List four factors that influence the rate of respiration in an animal. (2ms)

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17. State four factors that influence crop rotation (2mks)

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18. Give the term used to describe the following livestock. (4mks) (i) Mature male cattle

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(ii) Mature castrated male cattle

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(iii) A mature female pig after first parturition

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(iv) Mature female bird

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19. Differentiate between gapping and rogueing (2mks) Gapping

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Rogueing

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20. State four characteristics of plants used as green manure. (2mks)

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21. Differentiate between over-sowing and under-sowing. (2mks) Over-sowing

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Under- sowing

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22. State four factors that determine spacing in crop production (2mks)

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23. State four divisions of livestock farming. (2mks)

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24. (a) State the two classes of phylum Arthropod a with most ecto- parasites (2mks)

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 (b) State four characteristics of an effective acaricide (2mks)

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(c) Name two types of labour records. (2mks)

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(d) Name two minor pests in tomato production (1mk)

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25. State the causal organism of the following diseases. (2mks)

a) Mastitis **…………………………………………….**

b) Rinderpest **……………………………………………..** c) Red water **………………………………………………** d)Foot and mouth **……………………………………………**

26. a) State four methods of fertilizer application(2mks)

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b) Define the term agriculture. (1mk)

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d) State four factors that determine the type of irrigation (2mks)

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e) Differentiate between seed dressing and seed inoculation (2mks)

Seed dressing

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Seed inoculation

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27. A) Differentiate between mixed farming and agroforestry (2mks) Mixed farming

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Agroforestry

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b) State four factors within the animal that may pre-dispose it to a disease. (2mks)

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c) State the lacking mineral in the following disorders. (2mks) (i) Anaemia in piglets

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**……………………………………………………………………………………………………………………….**

 ( ii) Osteomalacia

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(iii)Milk fever

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(iv)Swayback in lambs

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**SECTION B (30MKS)**

28. A farmer with one hectare of land requires 40kg of n in his farm. He applied CAN

which costs shs 35 per kg. CAN contain 20kg N.

(a) Calculate the amount of C.A.N the farmer requires (2mks)

(b) How much will a farmer with one and a half hectares spend to apply in his farm? (1mk)

(c) Name two types of compound fertilizers used by farmers. (2mks)

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29. Study the diagrams below of farm tools and equipment and answer the questions that follow.



a) Identify tools O and N (2mks)

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b) State the function of tool P (1mk)

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c) State two maintenance practices of tool Q. (2mks)

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30. The diagram below shows a livestock parasite



a) Identify the above parasite. (1mk)

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**……………………………………………………………………………………………………………………….**

b) Name any two diseases transmitted by the parasite. (2mks)

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c) State the four main stages in its life cycle. (2mks)

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31. Study the diagram below and answer the questions that follow.



B A C

a) What is the experiment set up above designed to study. (1mk)

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b) Name the three types of soil. (3mks)

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c) State 3 characteristics of soil A above. (3mks)

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d) State one method of improving soil C above. (1mk)

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32(a) What is soil sampling? (1 mark)

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(b) Below is a method of soil sampling. Use it to answer the question that follow.

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2 8

3 9

10 4

11 5

12 6

(i) What method of soil sampling is represented above? (1 mark )

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(ii) name the other method of soil sampling (1mark)

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(iii) Outline **four** areas which should be avoided during soil sampling. (4 marks )

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