**NAME………………………………………………… ADM NO……CLASS……**

**STREAM…………………………………………… DATE ………………**

**SIGN ....................................**

 **443/2**

**AGRICULTURE**

**PAPER 2**

**TIME: 2HOURS**

**DECEMBER, 2021**

 **MOMALICHE 4 CYCLE 8 JOINT EXAM**

**INSTRUCTIONS TO CANDIDATES:**

* *Write* ***your name*** *and* ***Index number*** *and* ***sign*** *in the spaces provided above.*
* *Answer* ***ALL*** *the questions in section* ***A*** *and* ***B*** *in the spaces provided in this booklet.*
* *Answer* ***any two*** *questions in section* ***C*** *in the spaces provided after the last question.*

***For Examiner’s Use Only:***

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION**  | **QUESTIONS** | **MAXIMUM SCORE** | **CANDIDATES SCORE** |
| A | 1-18 | 30 |  |
| B | 19-21 | 20 |  |
| C | 22-24 | 40 |  |
|  | **TOTAL** | **90** |  |

**SECTION A (30MARKS)**

***Answer all the questions in this section.***

1. State **two** reasons of using farm tools and equipment in the farm. (2mks)

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2. State **three** reasons that would make a farmer prefer to keep indigenous cattle breeds instead of exotic cattle breeds. (1½mks)

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3. State **three** characteristics of Bactrian (*Camelus bacterianus)* type of camel. (1½mks)

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4. Name **four** factors that influence the pulse rate in farm animals. (2mks)

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5. State **three** symptoms of endoparasites attack in livestock. (1½mks)

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6. State **four** factors that determine the amount of food given to an animal. (2mks)

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7. Name **three** advantages of using a machakos dip as compared to a plunge dip (1½mks)

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8. State **four** factors considered when selecting construction materials. (2mks)

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9. Name **three** methods a farmer can use when selecting livestock for breeding in the farm. (1½mks)

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10. State **three** signs of heat in a doe. (1½mks)

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11. State **four** reasons for carrying out identification in livestock. (2mks)

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12. State **two** diseases that commonly affect bees in bee farming. (2mks)

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13. State **four** methods a farmer can use when preserving fish after harvesting. (2mks)

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14. State **four** factors that determine the choice of poultry rearing system that a farmer chooses to use.

(2mks)

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15. State **one** advantage of using mobile calf pen in calf rearing. (1mk)

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16. State **two** disadvantages of a two stroke engine. (1mk)

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17. State **two** factors that could cause sudden stopping of a tractor engine. (1mk)

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18. State **four** disadvantages of animal drawn implements over tractor drawn implements. (2mks)

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**SECTION B (20MARKS)**

***Answer all questions in this section.***

19. The diagram below shows a tractor drawn implement. Study it and answer the questions that follow.



a) Name the parts A, B, C and D. (4mks)

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b) State **two** advantages of using the above implement over mould- board plough. (2mks)

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c) State the function of the parts labeled. (2mks)

i) A

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ii) D

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20. The diagram below shows livestock parasites. Study the diagrams and answer the questions that follow.



a) Identify the parasites X and Y above. (2mks)

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b) State **two** effects that are caused by the parasite labeled X on the animal’s body. (2mks)

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c) Name **one** disease transmitted by parasite labeled X above. (1mk)

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d) State **three** measures taken to control the parasite labeled Y above. (3mks)

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



a) Identify the livestock equipment marked E above. (1mk)

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b) State **three** reasons that make branding be discouraged as a method of livestock identification.

 (3mk)

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 c) What is caponisation as used in poultry production. (1mk)

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**SECTION C (40 MARKS)**

***Answer any two questions.***

22. a) Stateand explain **five** factors that predispose livestock to diseases. (10mks)

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b) State and explain **five** factors a farmer will consider when siting beehives in the farm. (10mks)

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23. a) Briefly state and explain **five** equipment a farmer will need when milking and state their uses.

(10mks)

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b) Explain **five** factors to consider when selecting a breeding stock. (10mks)

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24. a) State and explain **four** materials collected by bees. (8mks)

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b) State and explain the use of **four** equipments a honey harvester would require to have when

 harvesting honey. (8mks)

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 c) List **four** main reasons that make fish farming popular. (4mks)

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