**MARANDA HIGH SCHOOL**



**Kenya Certificate of Secondary Education**

**PRE MOCK 2024**

**443/2 AGRICULTURE Paper 2**

**March 2024 – TIME: 2Hours**

**Name**: ………………………………………………….... **Adm** **No**: ……….……

**Class**: ……………… **Index No. …………………** **Date**: …..…/03/2024.

**INSTRUCTIONS TO CANDIDATES**

* *Write your name, index number, admission number and class in the spaces provided. Sign and write the date in the spaces provided above.*
* *Answer* ***all*** *the questions in section A and B. Answer any* ***two*** *questions in section C.*
* *Answers should be written in the spaces provided.*

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTIONS** | **QUESTIONS** | **MAXIMUM SCORE** | **CANDIDATES SCORE** |
| **A** | **1-15** | **30** |  |
| **B** | **16 - 19** | **20** |  |
|  | **20** | **20** |  |
| **21** |  |  |
| **22** | **20** |  |
| **TOTAL** |  | **90** |  |

**SECTION A (30 marks)**

**Answer ALL questions from this section**.

1. Name **four** types of feeds given to poultry from hatching to maturity. (2 marks)

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2. Name **four** breeds of sheep. (2 marks)

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3. Name **four** animal related factors which predispose an animal to ill health. (2 marks)

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4. Give **four** limitations of inbreeding. (2 marks)

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5. State **four** importance of creep feeding in piglets. (2 marks)

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6. List **four** harmful effects of lice in poultry production. (2 marks)

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7. State **four** advantages of dehorning bulls in the farm. (2 marks)

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8. Give **four** control measures of cannibalism in deep litter system. (2 marks)

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9. Give **four** maintenance practices carried out in a wheelbarrow. (2 marks)

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10. State **four** observable indicators on a hen that shows it is suffering from fowl pox. (2 marks)

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11. State **four** uses of solar power in a dairy unit. (2 marks)

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12. Name the breed of cattle that:

1. Produces milk of highest butter fat content (1 mark)

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1. Produces milk with the lowest butter fat content (1 mark)

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13. State **four** advantages of using tractor power over animal power. (2 marks)

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14. Name farm tools for each of the following:

1. Disbudding calves.(1 mark)

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1. Making threads on PVC pipes(1 mark)

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1. Tightening barbed wires during fencing. (1 mark)

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1. Administering vaccines through the skin (1 mark)

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15. Outline **four** factors considered when locating a fish pond. (2 marks)

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**SECTION B (20 marks)**

**Answer all the questions in the spaces provided.**

16. The following diagram shows a livestock rearing practice.



(a) Name the practice illustrated above. (1 mark)

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(b) State **two** precautions a farmer should observe when carrying the practice. (2 marks)

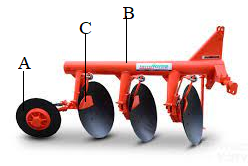
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(c) Name **one** parasite controlled using the practice above. (1 mark)

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17. The diagram below represents a farm implement.



a) Identify the implement. (1 mark)

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b) Name the parts labeled: (3 marks)

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c) State **one** adjustment that can be carried out to decrease ploughing depth of the plough. (1 mark)

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18. The farmer observed the following symptoms on a cow:

(i) Bloated stomach

(ii) Non clotting blood

(iii) Tar like water blood from the natural body openings

(iv) Absence of rigor mortis

a) Identify the disease the cow was suffering from. (1 mark) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Name the causative agent of the disease name in (a) above. (1 mark)

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c) List **three** control measures of the disease above. (3 marks)

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19. The following picture shows a poultry rearing system.



a) Identify the structure illustrated above. (1 mark)

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b)State **two** advantages of using the system named in (a) above. (2 marks)

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c) State **two** importance of the meshed part. (2 marks)

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**SECTION C (40 marks)**

**Answer any two questions from this section in the spaces provided after question 22.**

20. (a) Describe ten general methods of disease control in livestock production. (10 marks)

(b) Explain **five** causes of stress in a flock of layers. (10 marks)

21. (a) Describe the management of a dairy heifer under the following sub-headings;

(i) Weaning (6 marks)

(ii) Routine practices (4 marks)

(b) Describe the uses of fences in the farm. (10 marks)

22. (a) Give **five** desirable qualities of a good breeding ewe. (5 marks)

(b) Describe scours under the following sub-headings:

(i) Causative agent (1 mark)

(ii) Predisposing factors (5 marks)

(iii) Symptoms of attack (4 marks)

(iv) Control measures (5 marks)

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