Name……………………………………………..….… Adm No………………. Class………

Candidate’s Signature…………………….…………….….…...Date…………………………



(SCHOOL OF CHOICE)

**ST. BRIGID’S - KIMININI**

**POST MOCK – 2024 SERIES**

***Kenya Certificate of Secondary Education***

**443/2**

**AGRICULTURE**

**Paper 2**

**SEPTEMBER - 2024**

**Time: 2hours**

**Kenya Certificate of Secondary Education (K.C.S.E)**

**INSTRUCTIONS TO CANDIDATES**

1. Write your name, class, admission numbers and school in the spaces provided
2. Sign and write the date of examination in space provided
3. This paper consists of three sections **A, B** and **C**
4. Answer all questions in section A and B in the spaces provided
5. In section C, answer any two questions in the spaces provided
6. This paper consists of **10** printed pages
7. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing

**FOR EXAMINERS USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION** | **QUESTION** | **MAX SCORE** | **CANDIDATE SCORE** |
| **A** | **1 – 16** | **30 MARKS** |  |
| **B** | **17-20** | **20 MARKS** |  |
| **C** | **21-23** | **40 MARKS** |  |
|  | **TOTAL** | **90 MARKS** |  |

**SECTION A (30 MARKS)**

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

1. Name **four** zoonotic diseases in livestock (2mks)

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2. State **four** reasons for maintaining farm tools (2mks)

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3. State **four** advantages of artificial rearing in calves (2mks)

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4. State **four** reasons for steaming up in dairy cattle (2mks)

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5. Fill in the table below giving the terms used in reference to animals (2mks)

|  |  |  |
| --- | --- | --- |
| Young one of; | Sheep  ………………………….… | Rabbit  …………………….. |
| Mature female of; | Cattle  …………………. | Goat  ………………………....... |

6. State **four** effects of livestock parasite (2mks)

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7. Give **four** signs of ill health observed in the animals skin (2mks)

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8. State **four** characteristics of a broody hen (2mks)

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9. Identify the nutrient that is deficient in the following disorder (2mks)

i) Curled toe paralysis in chicks

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………………………………………………………………………………………………

ii) Milk fever

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………………………………………………………………………………………………

iii) Piglet anaemia

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………………………………………………………………………………………………

iv) Sway back in lambs

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10. State **four** signs of farrowing (2mks)

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11. Give **four** components of power transmission system in a tractor (2mks)

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12. State **four** factors that favour fish farming (2mks)

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13. State **four** factors that stimulates milk let down (2mks)

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14. State **four** symptoms of Gumboro disease in poultry (2mks)

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15. If a cow is detected to have signs of heat at 6am on 12th May 2024, when should it be served? (1mk)

………………………………………………………………………………………………

16. Give **two** categories of vitamins (1mk)

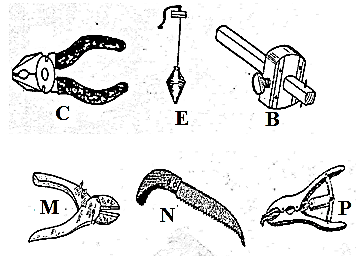
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**SECTION B (20 MARKS)**

**Answer all questions in this section in the spaces provided**

17. Study the farm tools below and answer the questions that follow



a) Identify the farm tools C,E and B (3mks)

C …………………………………………

E……………………………………………

B…………………………………………….

b) State the functional difference between M and N (1mk)

………………………………………………………………………………………………

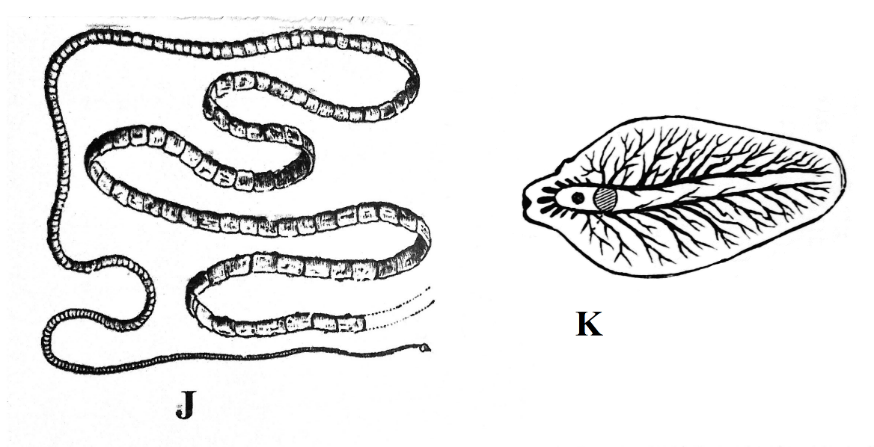
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c)State **two** maintenance practices carried out on tool labelled P (1mk)

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18. The diagram J and K below shows livestock parasites



a) Identify parasite labeled J and K (2mks)

J…………………………………………………………………………………………

K…………………………………………………………………………………………

b) Name the organ in which each parasite is commonly found (1mk)

Parasite J

………………………………………………………………………………………………

Parasite K

………………………………………………………………………………………………

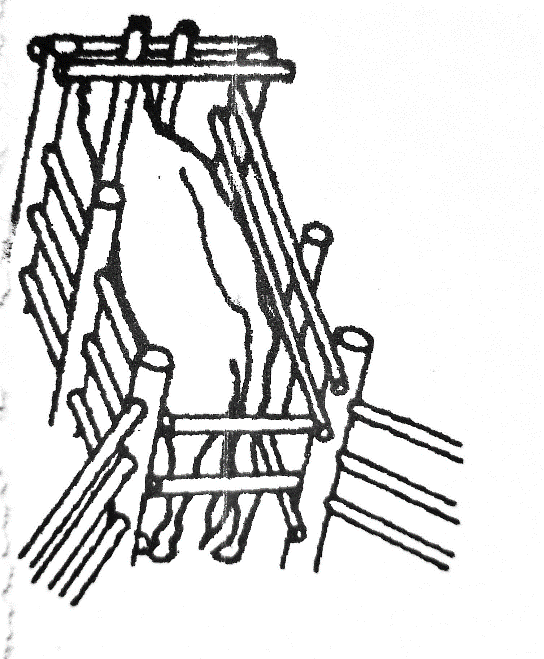
c) State **two** control measures of the parasite labeled K in livestock production

(2mks)

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19. The illustration below shows an animal handling structure. Study it and answer the following questions



1. Identify the structure illustrated (1mk)

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1. State **two** operations given to animals when confined in the above structure

(2mks)

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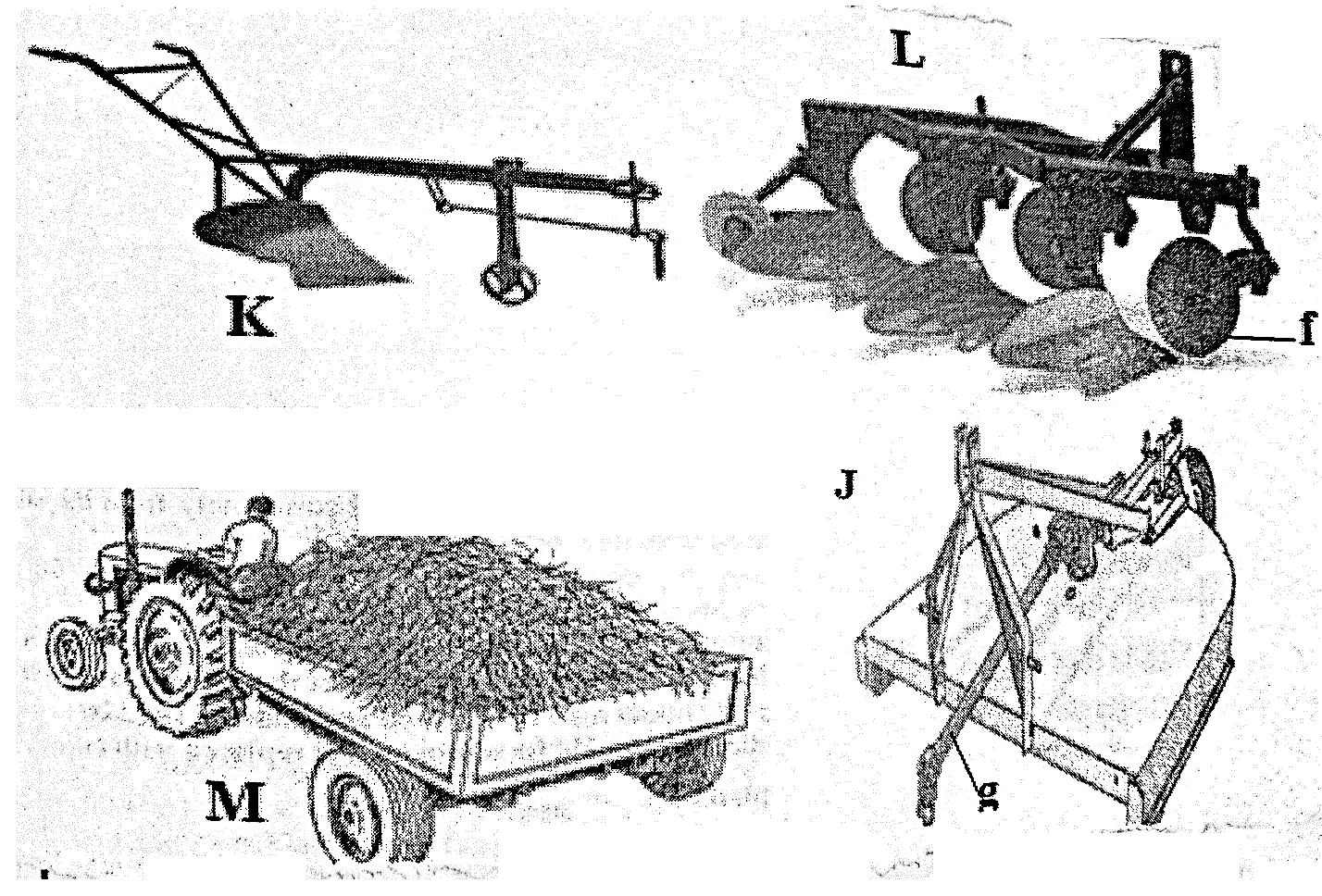
1. Name **two** other related structures that are used in parasite and disease control

(2mks)

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20. Below are farm implements. Study them and answer the questions that follow



a) Identify the implements K and M (2mks)

K……………………………………………

M……………………………………………

b) State the function of implement J and L (2mks)

J……………………………………………………………………………………..

L…………………………………………………………………………………….

c) State **two** maintenance practices carried out on part labeled F (1mk)

………………………………………………………………………………………………

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**SECTION C (40 MARKS)**

**Answer any two questions in this section**

21. a) Describe coccidiosis under the following sub headings

i) Causal organism (1mk)

ii) Animals attacked (2mks)

iii) Symptoms (3mks)

iv) Control (4mks)

b) Describe **five** essentials of clean milk production (5mks)

c) State **five** advantages of using artificial insemination (5mks)

22. a) Describe the strokes in a four stroke cycle petrol engine (10mks)

b) State the differences between ruminants and non-ruminants (5mks)

c) State **five** characteristics of good dairy cattle breed (5mks)

23. a) Describe management of layers from point of lay to culling (10mks)

b) Explain **six** factors to consider when sitting farm structures (6mks)

c) State **four** factors that determine quality of honey (4mks)

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