

Name..... Adm no.....
School: Signature.....
443/2 Date.....

AGRICULTURE

2 Hours

LAIKIPIA EAST TERM 2 2022 FORM 4 EVALUATION AM
Kenya Certificate of Secondary Education
AGRICULTURE Paper 2

Instructions to candidates

- a) Write your name and Admission number in the spaces provided above.*
- b) Sign and write the date of examination in the spaces provided above.*
- c) This paper consists of **three** section; **A, B and C***
- d) Answer **all** questions in section **A** and **B** in the spaces provided.*
- e) In section **C** answer any **two** question in the spaces provided after question 25*
- f) This paper consists of **13 printed pages**.*
- g) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*
- h) Candidates should answer all the questions in English*

Examiners use only

Section	Question	Maximum marks	Candidates score
A	1-19	30	
B	18-21	20	
C	22-24	40	
Total score		90	

SECTION A(30 MARKS)

Answer all questions in the spaces provided)

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

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2. State four disadvantages of using thatch as a construction material. (2mks)

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

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4. State *two* roles of the Caecum in digestion in alimentary canal of poultry (1 mk)

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

Young one of	Sheep	Rabbit
Mature Female of	Cattle	Goat

6. Give **four** signs of ill health observed on the animal's skin. (2 mks)

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7. Name two Dual purpose breeds of sheep (1mks)

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8. State what happens on the following parts of a Hen during egg formation. (2 mks)

(i).Magnum.....

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(ii) Isthmus.....

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9. Give **four** roles of identification in livestock production. (2mk)

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10. List **four** characteristics of chicks in a brooder with low temperatures below the normal. (2mks)

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11. identify the nutrient that is deficient in the following disorders (1 mks)

I. curled toe paralysis in chicks

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II. Milk fever

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12. Give *four* advantages of deep litter system (2 mks)

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13. Distinguish between cross breeding and out-crossing. (1 mk)

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14. State *four* factors that affect digestibility of feeds (2 mks)

15. Give four reasons for maintaining tools in good working conditions

(2 mks)

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16. Name *four* routes through which vaccines can be administered.

(2 mks)

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17. State *four* characteristics of a bad layer in poultry keeping

(2 mks)

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SECTION B: (20 MARKS)

Answer all questions in the spaces provided

18. Study the tractor drawn implement and answer the questions below



- i. Identify the implement. (1 mk)

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- ii. Name the part labeled **E** and **F**. (2 mks)

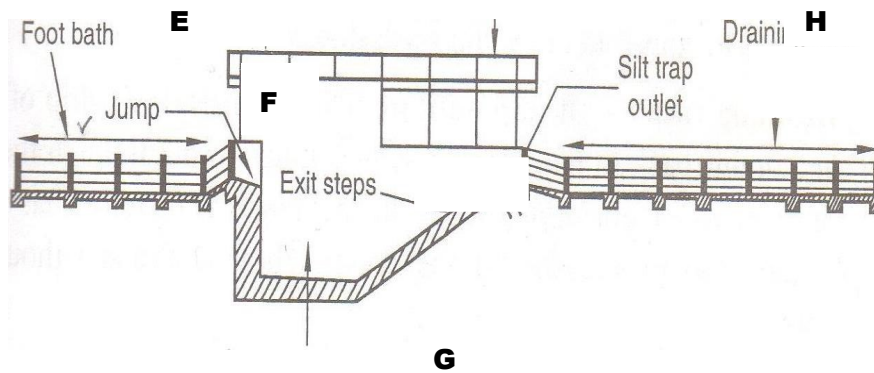
E.....

F.....

- iii. Give *two* maintenance practices done in the implement above. (2 mks)

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19. Study the diagram below of a farm structure and answer the questions below.



a) Identify the parts labeled.

(3 mks)

E.....

F.....

G.....

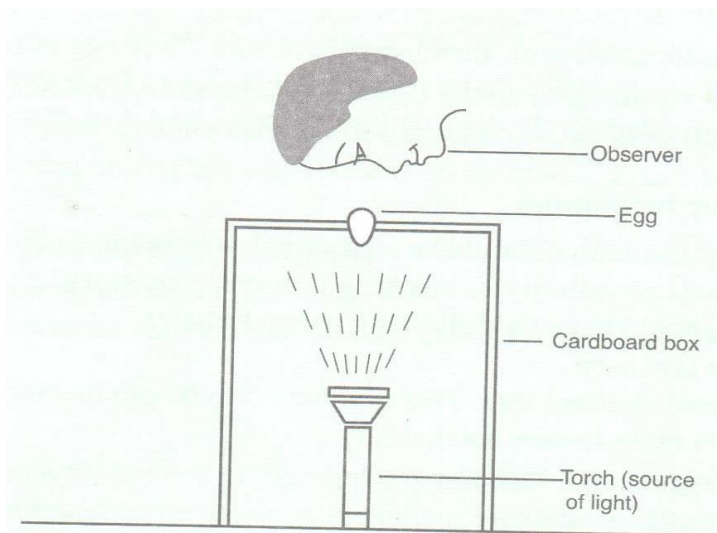
b) Explain the importance of the parts labeled.

(2 mks)

F.....

H.....

20. The practice illustrated below is done in poultry production.



i. Identify the practice. (1 mk)

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ii. Name **four** abnormalities in the egg that can be observed when carrying out the Practice. (2mks)

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iii. Give **two** reasons why the practice is done on
a) 5th & 7th day (1 mk)

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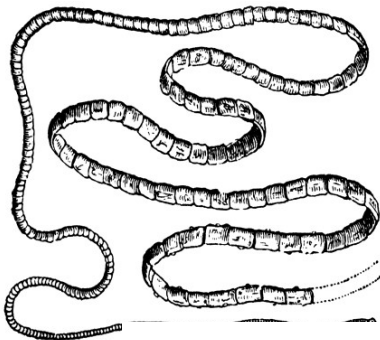
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b) 18th day (1 mk)

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20. The diagrams **J** and **K** below shows livestock parasites.



J



k

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

J.....

K.....

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

iv. Parasite **J**.....

v. Parasite **K**.....

c) State **two** control measures of the parasite labeled **k** in livestock production. (2 mks)

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SECTION C: (40 MARKS)

Answer only two questions in this section.

21. (a). Describe Coccidiosis under the following sub headings.

- | | | |
|------|-----------------|---------|
| i. | Causal organism | (1 mk) |
| ii. | Animal attacked | (2 mks) |
| iii. | Symptoms | (3 mks) |
| iv. | Control | (4 mks) |

(b). Describe five essentials of clean milk production. (10 mks)

22. (a). State **five** advantages of using Artificial insemination. (5 mks)

(b). Explain **six** factors to consider when siting the farm structures. (6mks)

(c). Outline **five** causes of stress in poultry. (5mks)

(d). State four microbial activities that take place in a rumen. (4mks)

23. (a). Describe the strokes in a four stroke cycle Engine. (10 mks)

(b). Describe the lifecycle of a three host tick. (7mks)

(c).State three factors that determine quality of honey. (3mks)

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This image shows a full page of white paper with horizontal dotted lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

