**Name……………………………………………………………………….Index Number………………………………Class.………**

**443/2 AdmNo………………………Date………………………….**

**AGRICULTURE Candidates Signature…………………………**

**PAPER 2**

**2 Hours**

**MOKASA EXAMINATION**

**Instructions to candidates**

*Write your name and Index number in the spaces provided. Date and signature also be filled in the spaces provided.*

*The paper consist with three sections* ***A , B*** *and* ***C****. Answer all questions in sections A and B and any Two questions in Section C. All answers be written in the spaces provided after each question.* The paper has 16 printed pages.

**FOR Examiner’s Use Only**

| **Section** | **Question** | **Maximum Score** | **Candidate’s Score** |
| --- | --- | --- | --- |
| *A* | *1 - 17* | *30* |  |
| *B* | *18 - 21* | *20* |  |
| *C* |  | *20* |  |
|  |  | *20* |  |
|  | **Total Score** | **90** |  |

**SECTION A (30 Marks)**

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

1 State four ways of controlling tsetse flies. (2mks)

a.spraying……………………………………………………………………………………………………………………………………… b.hand picking………………………………………………………………………………………………………………………………………………………washing……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

2 Name four breeds of dairy goats. (2mks)

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3 Give four characteristics of a good vaccine. (2mks)

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4 State four advantages of outbreeding in livestock production. (2mks)

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5 Give four factors that affect the quality of honey. (2mks)

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6 Outline three functions of calcium in the body of a dairy cow. (1 ½ mks)

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7 List four cattle diseases caused by virus. (2mks)

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8 State the function of each of the following.

1. Plumb bob ( ½ mk)

…………………………………………………………………………………………………………………………………………………………….

1. Drenching gun ( ½ mk)

…………………………………………………………………………………………………………………………………………………………….

1. Garden trowel ( ½ mk)

……………………………………………………………………………………………………………………………………………………………

1. Pipe wrench ( ½ mk)

…………………………………………………………………………………………………………………………………………………………..

9 State two reasons for seasoning timber before use. (1mk)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

10 State four reasons for culling a breeding boar. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

11 State four uses of lubrication system in a tractor. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

12 Give four observations on the behavior of chicks which would indicate that the temperature in the brooder is too high. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

13 State four ways of stimulating milk let – down in a dairy cow. (2mks)

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14 State four measures that should be taken to control brucellosis in cattle. (2mks)

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15 Give four conditions that would encourage hens to eat eggs in poultry production. (2mks)

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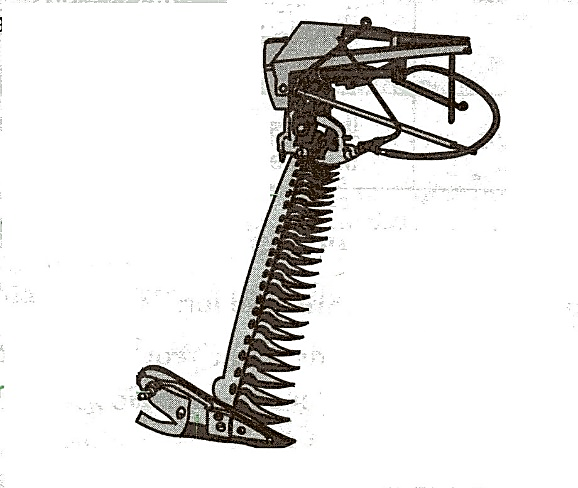
16 State four advantages of a hedge fence in a farm. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

**SECTION B ( 20 Marks)**

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

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



1. Identify the implement illustrated in the diagram. (1mk)

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1. What is the method of power transmission for operating implements? (1mk)

…………………………………………………………………………………………………………………………………………………………….

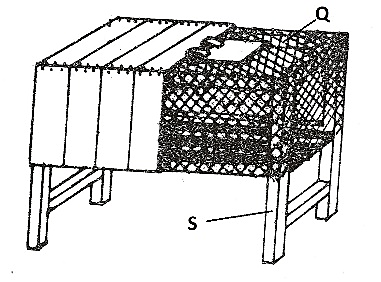
1. State the use of the implement. (1mk)

…………………………………………………………………………………………………………………………………………………………….

1. Give two maintenance practices for implement **A**. (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

18 Below is a diagram of a rabbit hutch. Use the diagram to answer the questions that follow.



1. How should the materials used for constructing parts Q and S be treated to last long?

(2mks)

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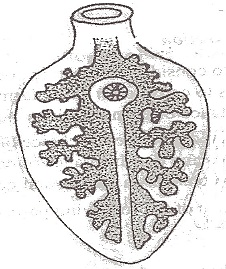
1. Name the appropriate tools that should be used to cut the materials for constructing parts **Q**. (1mk)

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1. Give two reasons for raising the rabbit hutch above the ground level. (1mk)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

19 Below is an illustration of an internal parasite in livestock



1. Identify the parasite. (1mk)

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1. Name one final host for the parasite. (1mk)

…………………………………………………………………………………………………………………………………………………………….

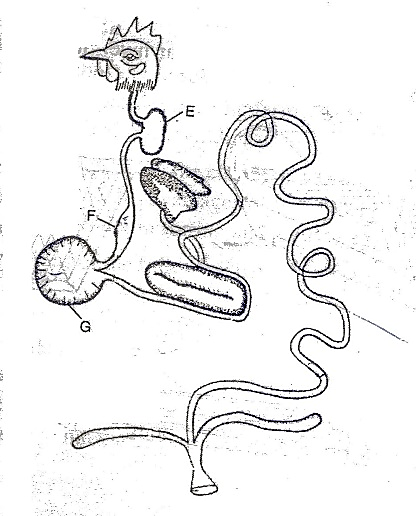
1. Name the intermediate host for the parasite. (1mk)

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1. State two control measures of the parasite. (2mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

20 The illustration below represents the digestive system of poultry. Study the illustration carefully and answer questions that follow.



1. Name the parts labeled **E , F** and **G**.

**E**……………………………………………………………………………………………………………………………......(1mk)

**F**………………………………………………………………………………………………………………………………….(1mk)

**G**………………………………………………………………………………………………………………………………...(1mk)

( b) State two ways in which the part labeled **G** is adapted to its function. (2mks)

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**SECTION C (40 Marks)**

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

21 (a) Name the strokes in a four stroke cycle engine and describe how each operates. (12mks)

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1. Describe four physical characteristics that a poultry farmer would use to identify poor layers from a flock of hens. (8mks)

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22 (a) Describe the disease milk fever under the following sub headings:

1. Animals affected (2mks)

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1. Symptoms (5mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Control measures (3mks)

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b) Describe five calf management practices carried out immediately after parturition. (5mks)

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c) Outline five qualities of eggs for marketing. (5mks)

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23 (a) State and explain five harmful effects of parasites in livestock. (10mks)

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b) Describe any five parts and functions of a Zero grazing unit. (10mks)

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