

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	
	<b>Total Score</b>	<b>90</b>	

**SECTION A (30 Marks)**

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

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

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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.

(a) Plumb bob ( ½ mk)

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(b) Drenching gun ( ½ mk)

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(c) Garden trowel ( ½ mk)

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(d) Pipe wrench ( ½ mk)

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

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

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

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

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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)

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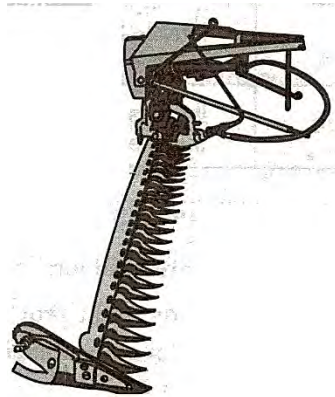
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**SECTION B ( 20 Marks)**

**Answer all questions in the spaces provided**

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



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

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

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

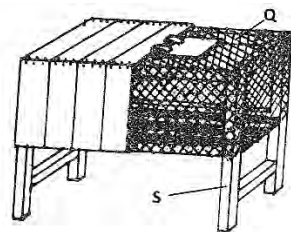
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(d) Give two maintenance practices for implement A. (2mks)

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



(a) How should the materials used for constructing parts Q and S be treated to last long?

(2mks)

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(b) Name the appropriate tools that should be used to cut the materials for constructing parts

**Q.** (1mk)

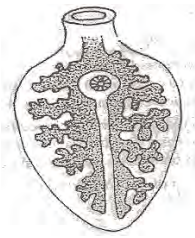
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(c) Give two reasons for raising the rabbit hutch above the ground level. (1mk)

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19 Below is an illustration of an internal parasite in livestock



(a) Identify the parasite. (1mk)

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

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

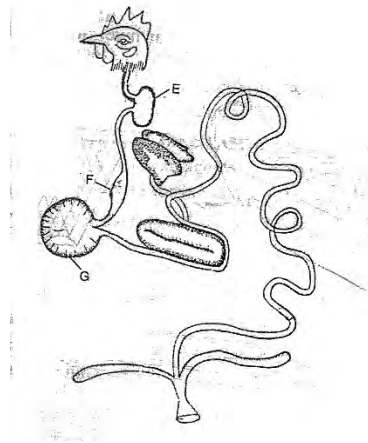
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(d) State two control measures of the parasite. (2mks)

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



(a) 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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(b) 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:

(i) Animals affected (2mks)

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(ii) Symptoms (5mks)

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(iii) 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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