



MASENO SCHOOL

Kenya Certificate of Secondary Education 2020

443/2 -

AGRICULTURE

- Paper 2

DEC. 2020

- 2 hours

THE MASENO SCHOOL MOCK

Name Index Number.....

Candidate's Signature Date

INSTRUCTIONS TO CANDIDATES:

- Write your name and index number in the spaces provided above.
- Sign and write the date of examination in the spaces provided above.
- This paper consists of **THREE** Sections A, B and C.
- Answer **ALL** questions in Section A and B.
- Answer **ANY** Two questions in Section C in the spaces provided.

FOR EXAMINERS USE ONLY

Section	Question	Maximum score	Candidates score
A	1 - 20	30	
B	19– 22	20	
C	23 – 25	20	
		20	
	Total score	90	

SECTION A (20MKS)

(Answer all the questions).

- 1) State four causes of egg eating in a flock of layers (1mark)

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- 2) . Name two practices that are carried out when preparing ewes for mating (1mark)

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- 3) . State three advantages of fold system in poultry rearing (1½marks)

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- 4) Outline two disadvantages of artificial Insemination in livestock production (1mark)

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5) Outline four characteristics of a good layer (2marks)

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6) Give the appropriate term that refers to the following:

- i) Castrated chicken..... (1/2 mark)
- ii) Mature male goat... .(1/2mark)
- iii) Young one of a rabbit... (1/2 mark)

7) List any four significance of steaming- up in sows (2marks)

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8) State three reasons for candling eggs in poultry production (1½ marks)

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9) State four reasons why a calf should be feed on colostrum (2marks)

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10) State the functional differences between the following :

i) Cross-cut saw and Rip saw (1mark)

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Dosing gun and Bolus gun (1mark)

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11) State three reasons why honey harvesting should not be done at night (1½ marks)

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12) Distinguish between cross breeding and up-grading (1mark)

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- 13)** Highlight three qualities of eggs for incubation (1 ½ marks)

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- 14)** List four breeds of rabbit commonly reared in Kenya (2marks)

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- 15)** State the role of each of the following parts of a poultry digestive system (1½ marks)

i Gizzard

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ii Caecum

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iii Crop

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16) Outline the four categories of farm Tools and Equipment (2marks)

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17) State four symptoms that will show that a cow is suffering from milk fever (2marks)

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18) Define Hybrid Vigor. (1mark)

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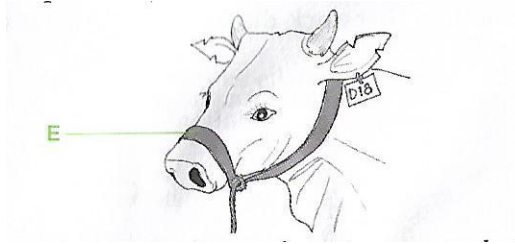
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SECTION B (20MARKS)

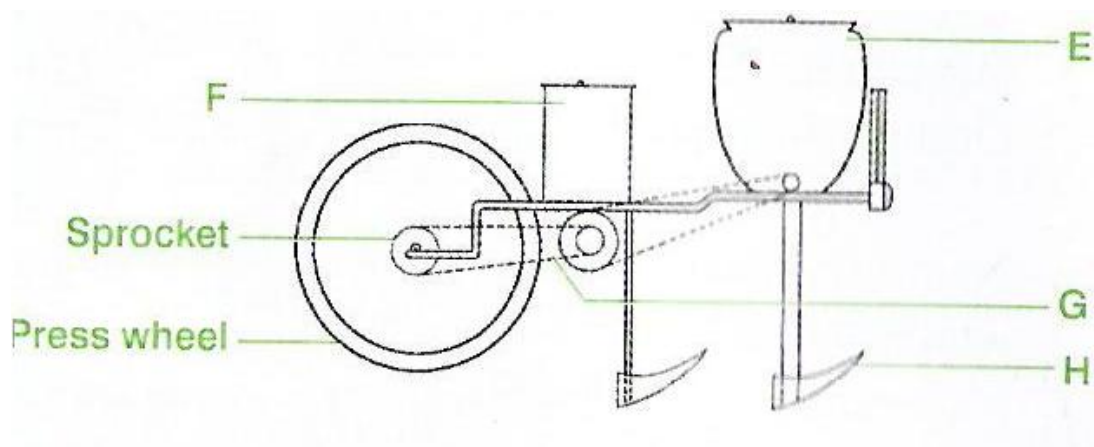
Answer all the questions in this section in the spaces provided.

- 19) Study the diagram of a cow shown below and answer the questions that follow



- i. Identify the livestock equipment marked E (1mark)
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- ii. State the use of the equipment you have identified (1mark)
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- iii. Name any two identification marks applied on the animal shown (1mark)
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- iv. Give one disadvantage of each of the identification mark you have given in (C) above (2marks)
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- 20) Study the illustration of a tractor drawn implement shown below and then answer the questions that follow



- i) Identify the implement (1mark)

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- ii) Name the parts labelled E,F,G and H (2marks)

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- iii) State two main uses of the implement (1mark)

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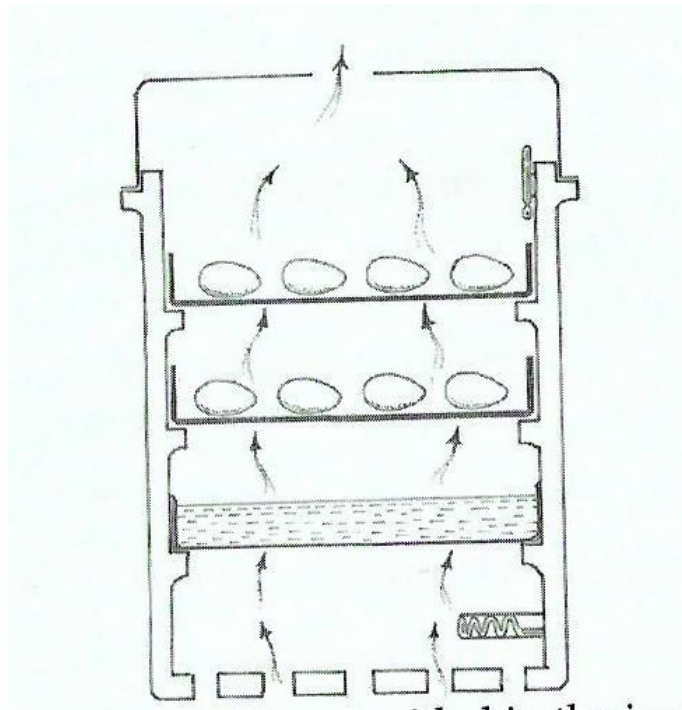
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22) Study the diagram shown below and answer the questions that follow



i Identify the structure

(1mark)

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ii) State the function of the part labelled A

(1mark)

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iii. State two other factors not observed in the diagram that have to be provided (2marks)

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SECTION C (40 MARKS)

Answer any Two questions from this section in the spaces provided.

- 23) a) Describe the management of one day old chicks in a brooder until they are eight weeks old (10marks)
- b) Explain the process of egg formation in the reproductive system of poultry (10marks)
- 24) a) Describe East Coast Fever under the following sub-headings
- i. Causal organism (1mark)
 - ii) Predisposing factors (1mark)
 - ii. Symptoms (5marks)
 - iii. Control and Treatment (3marks)
- b) Describe the control of stress in poultry production (8marks)
- c) Differentiate between stress and vice in chicken (2marks)
- 25) a) Describe the procedure for establishing a fish pond (10marks)
- b) Describe the extraction of honey from combs using heat method (7marks)
- c) State three factors that affect the quality of honey (3marks)

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