

Name.....Index No.....

School..... Sign.....

Date.....



MASENO SCHOOL

Kenya Certificate of Secondary Education 2021

Agriculture – Paper2

DEC. 2021 - 2 hours

THE MASENO SCHOOL MOCK

INSTRUCTIONS TO CANDIDATES

1. Write your **name** and **index number** in the spaces provided.
2. This paper consists of three sections; **A**, **B** and **C**
3. Answers should be written in the spaces provided.

FOR EXAMINER'S USE ONLY

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SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 -15	30	
	16 – 20	20	
B	21 - 23	20	
C		20	
		20	
TOTAL SCORE		90	

*This paper consists of 14 printed pages. Candidates should check the question paper to
Ensure that all pages are printed as indicated and no questions are missing.*

SECTION A (30 MARKS)

Answer all Questions from this section in the spaces provided.

1. Under what condition would a farmer use an ox-cart instead of a tractor drawn trailer? (1 mk)
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2. State **two** practices that may require special method of handling of a mature fresian cow. (1 mk)
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3. State any **two** physiological conditions of livestock that may be assessed to determine the health status of an animal. (1 mk)
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4. Give any **four** precautions taken when harvesting honey. (2 mks)
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5. Name **four** exotic pig breeds reared in Kenya. (2marks)
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6. A cow gives birth to two offspring in a period of three years. One offspring is a male named Zulo and another, female named Kerio. Two years later Zulo is mated to Keroi and another offspring, called Tedi is given birth to
 - (i) Identify the specific system of breeding between Zulo and Keroi. (1 mk)
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 - (ii) Give four disadvantages of such a system of breeding. (2 mks)
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7. List **four** ways by which an animal may get infected by a disease from another. (2 mks)
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8. Give **one** use for each of the following tools and equipment. (2 mks)

(i) Dibber

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(ii) Halter

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(iii) Bolus gun

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(iv) Shovel

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9. (a) State the purpose of dry cow therapy. (½ mk)

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(b) List **four** factors that affect milk let down process. (2 mks)

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10. List **four** observable features in a cow that may indicate that it's nearing parturition. (2 mks)

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11. (a) Give the meaning of the following terms as used in livestock breeds. (1½ mks)

(i) Steer

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.....

(ii) Capon

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.....

(iii) Kindling

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.....

(b) Name the exotic beef breed of cattle with the following characteristics;

- * White / cream in colour
- * Heavily built
- * Originated from France

(½ mk)

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12. State **two** indicators of prolificacy in pigs. (1 mk)

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13. Give **four** reasons for providing high quality ration in the last two weeks to parturition in goats. (2 mks)

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14. Outline **three** reasons why calves should be fed on colostrum. (1½ mks)

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15. State **two** ways by which each of the following aspects are achieved in a calf pen.

(a) Proper drainage. (1 mk)

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(b) Freedom from draught (1 mk)

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16. (a) Define Raddling in sheep management. (1 mk)

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(b) State **two** reasons for raddling. (1 mk)

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17. Give **two** reasons why concrete floors are recommended for dairy sheds. (1 mk)

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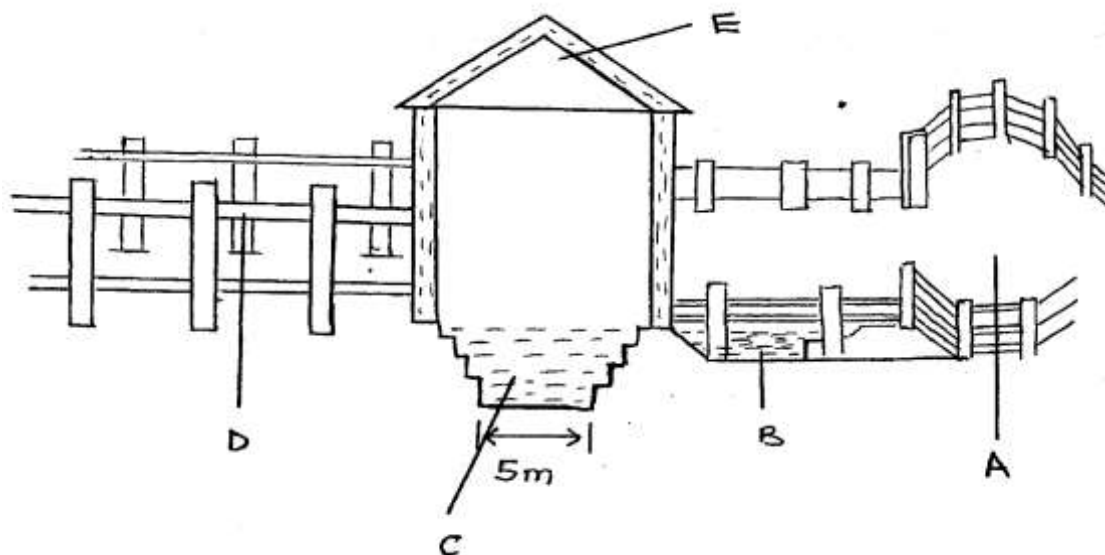
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SECTION B (20 MARKS)

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

18. Below is a farm structure. **Study** it carefully and answer the questions below.

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- (i) **What** is the use of the above structure? (½ mark)

.....

.....

- (ii) State **one** management practice carried out on livestock before being led into the structure. (½ mark)

.....

.....

- (iii) State **two** roles played by the part labeled E. (1 mark)

.....

.....

.....

- (iv) **Give** the role of the parts labeled **A** and **B**. (1 mark)

A

.....

B

.....

- (v) State **four** factors to consider when siting the structure in the farm. (2 marks)

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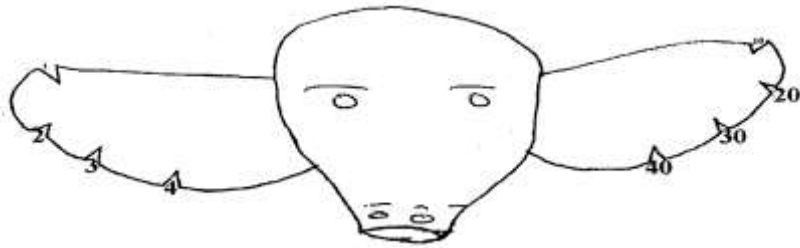
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19. (a) Study the diagram below illustrating a method of identifying a farm animal.

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Using the above illustration draw and mark number 87

(2 mks)

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(b) **Outline** the procedure of castrating a piglet by use of surgical method.

(4 mks)

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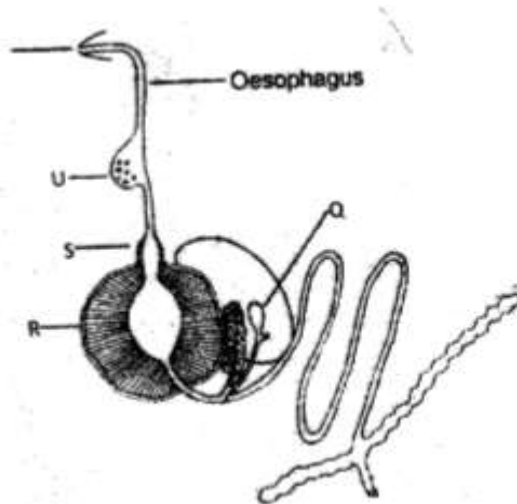
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20. Study the diagram of chicken digestive system below and answer the question that follow.



- (a) Identify the parts labelled Q, R and S. (1½ mks)

Q

R

S

- (b) Briefly describe the function of parts Q and R. (2 mks)

Q

.....

R

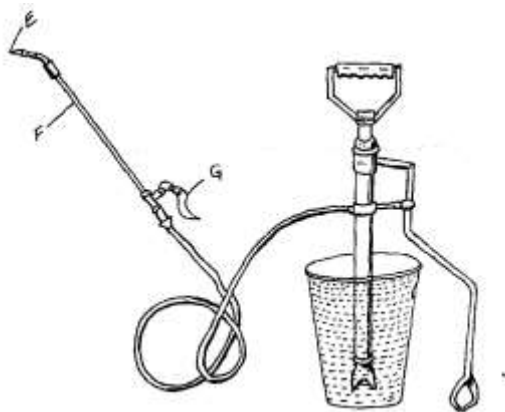
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- (c) How can a farmer improve on digestion in the structure labelled S. (½ mk)

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21. Below is a diagram of a farm equipment. Use it to answer the questions that follow.



- (a) Identify the equipment. (½ mk)

.....

- (b) State the use of the equipment (1 mk)

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- (c) Name the parts labelled G,E and F. (1½mks)

.....

- (d) Identify **two** draw backs in using this equipment compared to others that may be used for the same purpose. (2 mks)

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SECTION C (40 MARKS)

Answer any two questions from this section in the spaces provided at the end of the section

22. (a) Discuss mastitis disease under the following subheading:

(i) Specific causal organisms

(2 mks)

.....

.....

.....

.....

(ii) Predisposing factors

(5 mks)

[illegible]

(iii) Symptoms

(4 mks)

[illegible]

(iv) Control and treatment

(5 mks)

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(b) Explain the predisposing factors to animal disease. (10 marks)

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24. (a) Discuss the management of layers from one day old to the start of laying in a deep litter system. (14 mks)

(b) Explain management practices that would improve fish production. (6 mks)

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END