

Name:Index No:

443/2
AGRICULTURE
Paper 2
JUNE - 2023
2 hours

KASSU EXAMINATION 2023
Kenya Certificate of Secondary Education
AGRICULTURE
PAPER 2
2 HOURS

Instructions to candidates.

- (i) Write your **name** and **index number** in the spaces provided.
- (ii) This paper consists of three sections **A, B** and **C**.
- (iii) Answer **ALL** the questions in section A and B and any two questions in section C.
- (iv) All answers must be written in the spaces provided.
- (v) Do not remove any pages from the question paper.

For Examiner's use only

Section	Questions	Maximum score	Candidates score
A	1-19	30	
B	20 -23	20	
C		20	
		20	
	Total Score	90	

SECTION A

Answer all questions in this section in the spaces provided

1. State **two** functions of loafing area in a zero-grazing unit. **(1mk)**

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2. Give **four** characteristics of succulent roughages. **(2mks)**

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3. Give **four** classifications of livestock diseases. **(2mks)**

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4. State **four** factors considered when selecting eggs for marketing. **(2mks)**

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5. State **four** maintenance practices carried out in a knapsack sprayer. **(2mks)**

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6. Give **three** uses of biogas on a farm. **(1¹/₂mks)**

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7. Name **four** heavy breeds of birds. (2mks)

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8. State the origin of the following dairy goat breeds.

i. Saanen. (1/2mk)

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ii. Jamnapari. (1/2mk)

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9. Distinguish between the following terms as used in livestock health.

i. Incubation period. (1/2mk)

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ii. Mortality. (1/2mk)

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10. State **two** activities that necessitates the handling of animals. (1mk)

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11. State **four** signs of parturition in a sow. (2mks)

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12. State **two** categories of livestock parasites. (2mks)

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13. Name **two** types of rabbit houses. (1mk)

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14. State **four** importance of identification in livestock production. (2mks)

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15. State **four** characteristics of an effective acaricide. (2mks)

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16. Give **two** reasons for hoof trimming. (1mk)

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17. State **two** ways of computing a livestock feeds. (1mk)

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18. State **three** methods of fish preservation. (1¹/₂mks)

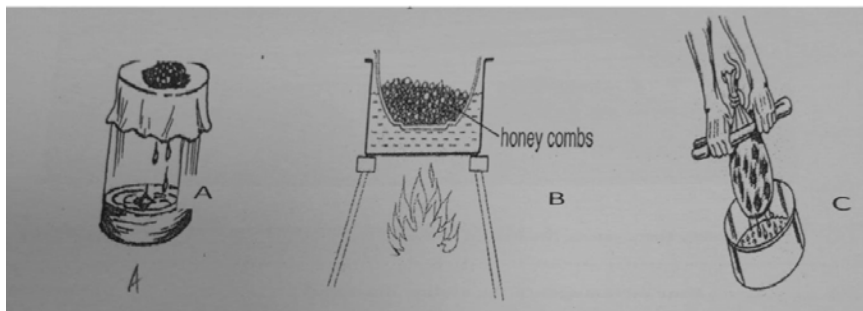
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19. Give **four** post-milking practices. (2mks)

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SECTION B (20 MARKS)

20. Diagrams **A**, **B** and **C** below illustrate an activity carried out by a bee farmer. Study the diagrams carefully and answer the questions that follow.



(a) Identify the activity being carried out in the diagrams above (1mk)

(b) Name the methods used in each activity in **A**, **B** and **C** (3mks)

A.....

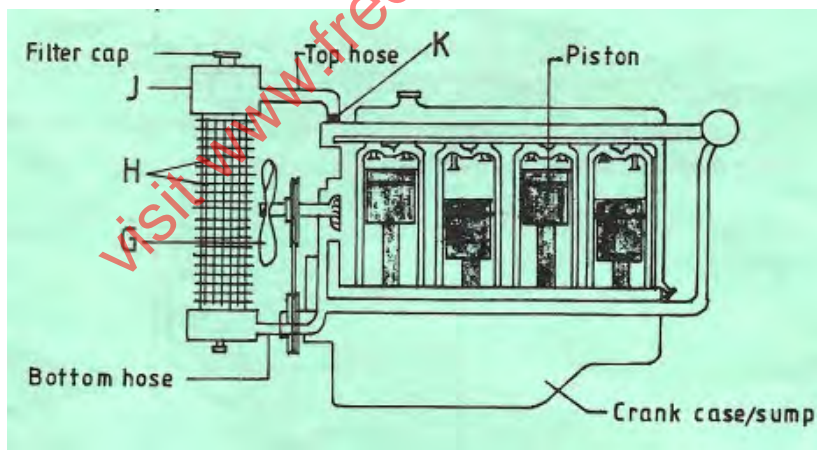
B.....

C.....

(c) State one factor which will affect the quality of the product in **C** (1mk)

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21. The diagram below shows the cooling system of a tractor engine. Study it carefully and answer the questions that follow.



(a) Name the parts labeled **G**, **H**, **J** and **K**.

G..... (½ mk)

H..... (½ mk)

J..... (½ mk)

K..... (½ mk)

(b) Name the functions of the parts labeled **G** , **J** and **K** in the cooling system.

(3mks)

G.....

J.....

K.....

22. The illustration below shows a practice carried out to prevent mastitis infection in a dairy cow.



(a) Identify the practice.

(1mk)

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(b) At what stage is the practice carried out?

(2mks)

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(c) State **two** other practices that are carried out on the udder to prevent mastitis infection

(2mks)

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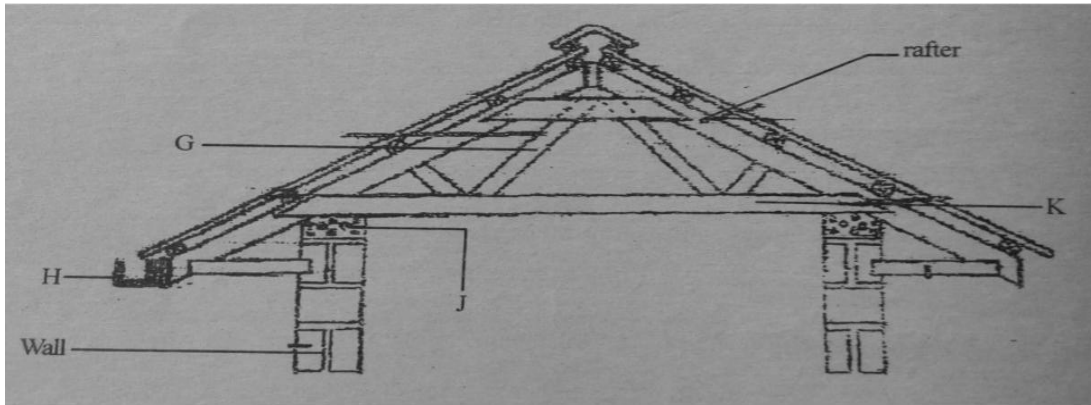
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(d) Name the equipment labeled **X** in the diagram.

(1mk)

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23. . Illustrated below is a design of a roof of a farm building. Study the illustration and answer the questions that follow.



(a) Name each of the parts labeled **G, H, J** and **K** **(2mks)**

G.....

H.....

J.....

K.....

(b) Give **two** reasons why it is important to have the structure labeled **H** at the edge of the roofing **2mks)**

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(c) State **one** use of the part labeled **K** **(1mk)**

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SECTION C (40 MARKS)

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

24. (a) Describe foot rot disease under the following sub-heading

(a) Causal organism **(1mk)**

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(b) Animals affected **(1mk)**

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(c) Signs of infection **(4mks)**

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(d) Control measures **(4mks)**

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(b) Describe **seven** management practices that would ensure clean milk production in a farm

(7mks)

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(c) Give **three** disadvantages of fold system in poultry rearing. **(3mks)**

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25. (a) Explain the short term tractor servicing practice **(10mks)**

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(b) Explain **six** control measures of cannibalism in layers **(6mks)**

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(c) Outline **four** factors that affect digestibility of a feed material.

(4mks)

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26. (a) Describe ten uses of fences on the farm.

(10mks)

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(b) Explain **five** factors considered when siting on apiary.

(5mks)

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(C) Describe the life cycle of a three - host tick.

(5mks)

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