

BUNAMFAN CLUSTER EXAMINATION - 2022

Kenya Certificate of Secondary Education

443/2 – AGRICULTURE – Paper 2

June 2022 - 2 hours

Name.....Adm No.....

Class..... Date.....

Instruction to candidates.

1. Write your name and index number.
2. This paper consists of three sections A, B and C.
3. Answer all the questions in A and B and two in section C.
4. All answers should be written in the spaces provided on the question paper.

FOR EXAMINER'S USE ONLY.

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE SCORE
A	1-20	30	
B	21-24	20	
C	25-27	40	
	TOTAL	90	

GRAND TOTAL.

SECTION A (30MK\$)

Answer all the questions in this section.

1. State **four** causes of stress in poultry. (2mks).

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2. State **four** factors that determine the amount of feed an animal consumes (2mks.)

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3. State **four** advantages of artificial calf feeding. (2mks.)

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4. Name **two** methods of service in livestock breeding (1mk).

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5. Name **two** species of camel. (1mk).

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6. State **four** functions of vitamins in livestock body (2mks.)

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7. **Define** the following terms (2mks).

(a) Cockerel-

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(b) Broiler-

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(c) Ewe-

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(d) Kid—

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8. List **two** main parts of a farm building. (1mk).

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9. State **two** reasons why lubrication or greasing of farm machines is important (1mk).

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10. Give **two** reasons for seasoning timber before it is used for construction. (1mk).

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11. **State** the functional difference between a drenching gun and a bolus gun. (1mk).

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12. Name **four** tools which a farmer uses for dehorning cattle. (2mks).

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13. List **two** reasons why bees are fed with syrup (1mk).

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14. **Differentiate** between inbreeding and outbreeding (1mk).

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15. Identify **four** abnormalities which can be identified in eggs through candling (2mks).

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16. Name **two** dual purpose breeds of sheep (1mk).

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17. State **four** factors which influences the rate of respiration in farm animals (2mks).

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18. Mention **four** preventive measures farmers uses to control diseases in animals (2mks).

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19. State **four** harmful effects of lice in sheep. (2mks).

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20. Name **two** examples of two host ticks. (1mks).

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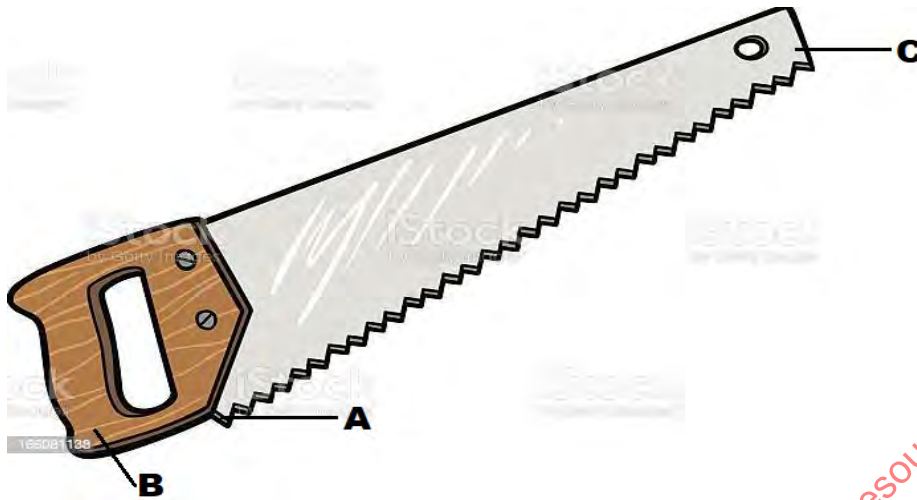
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SECTION B (20MK\$)

Answer all the questions in this section.

21. Study the diagram below and answer the questions that follows.



(a). **Identify** the tool. (1mk)

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(b). **Name** the parts labeled .(3mks).

A -----

B -----

C -----

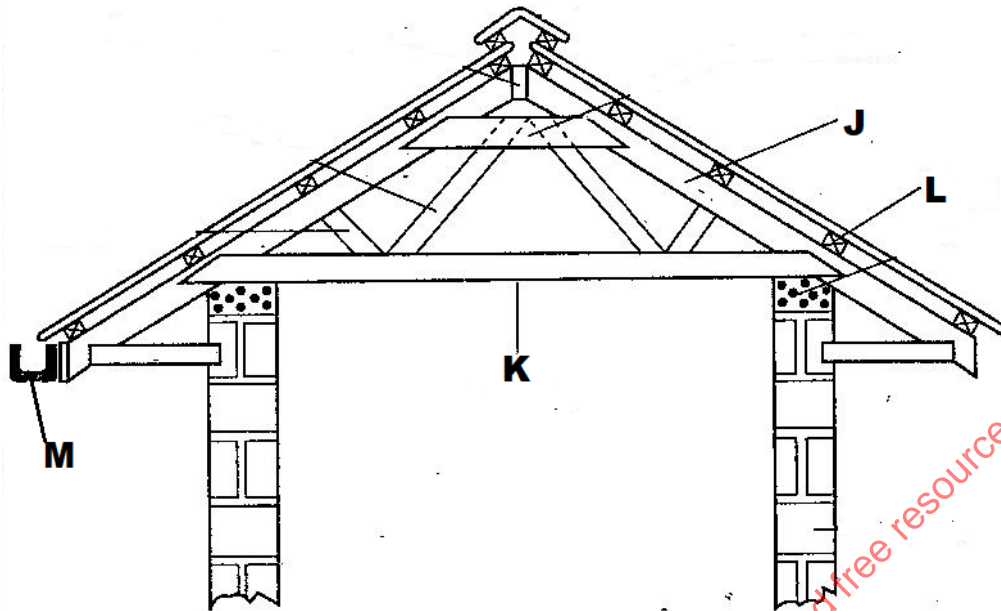
(C). State **two** maintenance practices of the tool above (2mks).

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21. Using Pearson's square method, **compute** a 200 kg ration with 20% DCP from oats which contains 10% DCP and sim sim seedcake containing 60%DCP (3mks).

23. Study the illustration below and answer the questions that follow.



(a) **Identify** the parts labeled (2mks).

- J -----
- K -----
- L -----
- M -----

(b) State **one** use of the part labelled L. (1mk).

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(c) State **one** reason why it is important to have the structure labelled M at the edge of the roofing materials. (1mk).

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24. Below is an illustration of a sheep with parts marked E, F and G.



(a) **State** the operations that are carried out on the parts labelled (2mks).

E-----

G-----

(b) **State two** reasons for carrying out the operation identified in E (2mks).

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(c) At **what** age should the operation stated in E be carried out. (1mk).

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(d). **State two** methods of carrying out the operation named in E. (2mks).

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26.(a)State **six** advantages of animal power over tractor power in seedbed preparation.(6mks).

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(b)Explain **nine** factors to consider in siting farm structures (9mks).

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(c)State **five** importance's of farm buildings. (5mks).

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27.(a).Name **two** causes of pneumonia in livestock. (2mks)

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(b)State **four** predisposing factors of pneumonia disease in livestock (4mks).

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(c).Describe **four** types of stores that can be found on a farm. (8mks).

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(d).State **six** differences between Petrol and diesel tractor engines. (6mks).

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