

NAME: INDEX NO:

SCHOOL:..... DATE :

CANDIDATE'S SIGNATURE:.....

443/2
AGRICULTURE
PAPER 2
JULY / AUGUST 2014
TIME: 2 HOURS

NANDI CENTRAL JOINT DISTRICT MOCK 2014

Kenya Certificate of Secondary Education (K.C.S.E.)
AGRICULTURE
PAPER 2
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- (a) Write your name and Index number in the spaces provided above.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) This paper consists of THREE sections A, B and C.
- (d) Answer ALL questions in Section A and B.
- (e) Answer any TWO questions in section C.
- (f) Answers should be written in the spaces provided.
- (g) This paper consists of 10 printed pages.
- (h) Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.
- (i) Candidates should answer the questions in English.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX. SCORE	CANDIDATE SCORE
A	1 – 19	30	
B	20 – 24	20	
C		20	
		20	

Total Score		90	
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SECTION A (30 MARKS)

Answer ALL Questions in the Spaces Provided

1. Why is Irish potatoes not recommended for feeding non-ruminant animals? (½mk)
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2. Give **four** characteristics of succulent roughages. (2mks)
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3. List **two** camel species reared in arid and semi-arid areas. (1mk)
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4. Give **four** practices other than application of preservatives that can be carried out on wooden fencing posts to make them last long. (2mks)
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5. Give **four** physical characteristics of a dairy cow. (2mks)
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6. State **four** reasons for steaming up a dairy cow 2 months before calving down. (2mks)
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7. State the causes of infertility in dairy cattle. (2mks)
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8. State **two** circumstances which would lead a farmer to cull a high producing dairy cow.(1mk)

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9. State the difference between crutching and raddling. (2mks)

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10. Give **four** importance of keeping livestock healthy. (2mks)

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11. How does isolation help in livestock disease control? (1mk)

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12. What are the effects of parasites on livestock? (2mks)

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13. State **four** methods of controlling liverflukes. (2mks)

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14. Give **two** feeding rearing practices in livestock. (1mk)

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15. State **three** properties of a good vaccine. (1½mk)

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16. Give **two** symptoms of brucellosis in cows. (1mk)

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17. State **three** ways of increasing ploughing depth when using a disc plough. (1½mks)

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18. (a) Explain the term Epistasis as used in breeding. (½mks)

(b) State **three** methods used in selection of livestock for breeding. (1½mks)

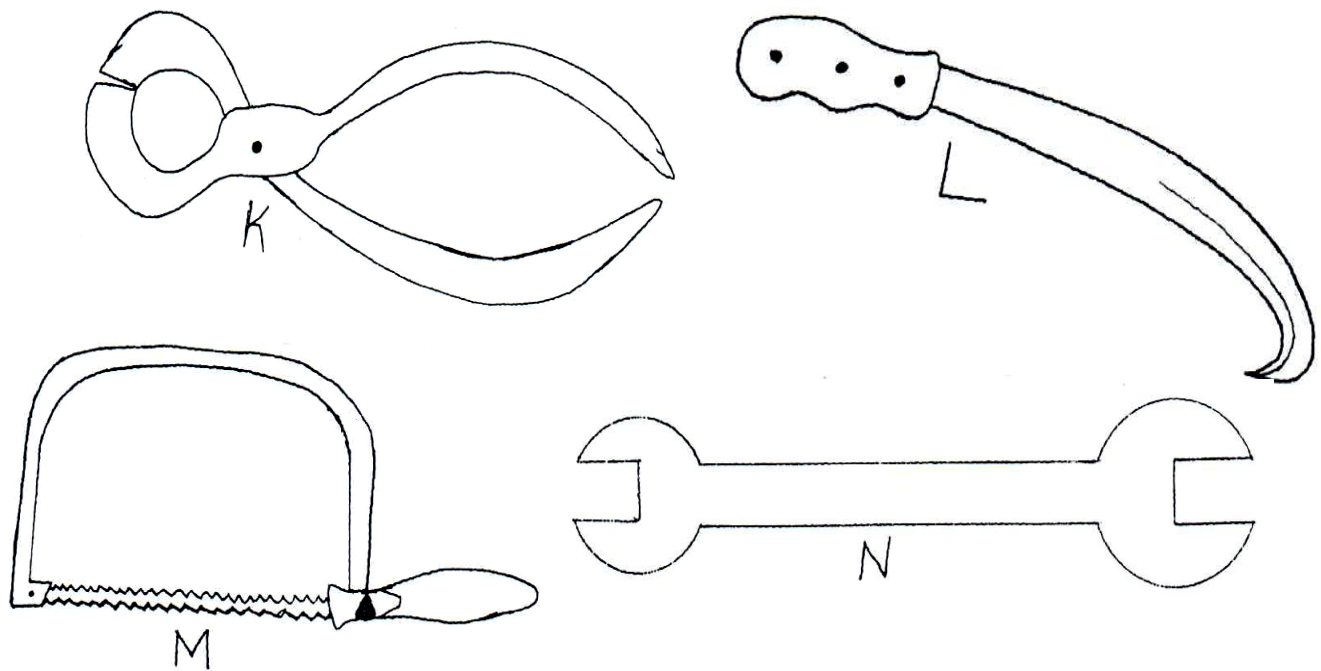
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19. Give **three** factors that may inhibit milk let down in dairy cattle. (1½mks)

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SECTION B (20 MARKS)
Answer all questions in the spaces provided in this section

20. Study the following tools carefully and answer the questions that follow.



(a) Identify the structures labeled K, L, M and N.

- K..... (½mk)
- L..... (½mk)
- M..... (½mk)
- N..... (½mk)

(b) State the use of tools labeled K and N. (2mks)

- K.....
- N.....

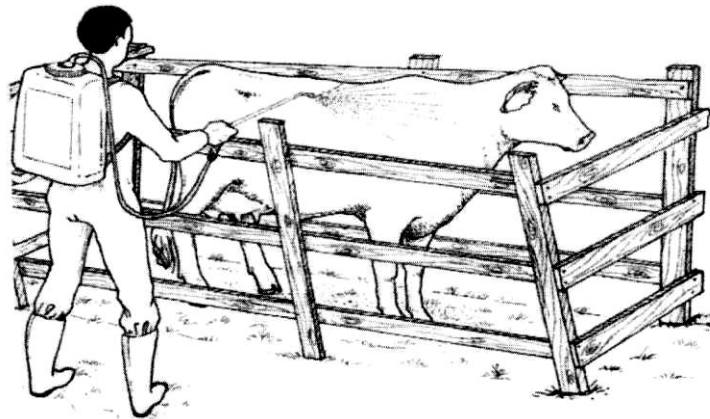
(c) Give **two** maintenance practices of the tool labeled M. (2mks)

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21. (a) Define the term feed conversion ratio as used in livestock production. (1mk)

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- (b) A bull gained 100kg of live weight after eating 400kg of beef concentrates over a period of time. Calculate the feed conversion ratio. (2mks)

22. Below is an illustration of a livestock routine management practice. Study it and answer questions that follow.



- (i) State the reason for carrying out the routine practice shown above. (1mk)

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- (ii) Give **three** factors that affect the effectiveness of the chemical used above. (1½mks)

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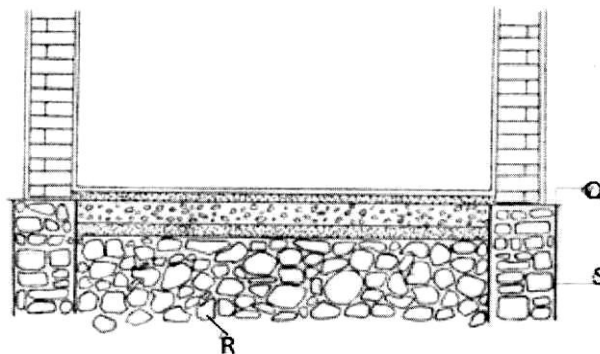
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23. Study the illustration below and answer questions that follow.



(i) Name the parts labeled Q, R and S. (1½mks)

Q:.....

R:.....

S:.....

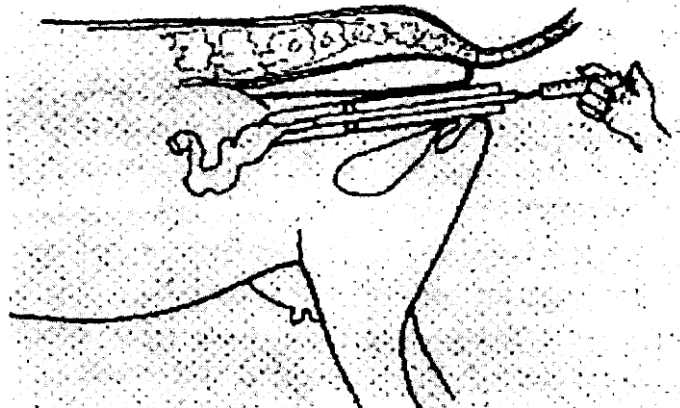
(ii) Give the function of the part labeled Q. (½mk)

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(iii) State **four** factors that determine the type of materials to use in construction of the wall. (2mks)

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24. Below is an illustration of a practice carried out in livestock production. Study it carefully and answer the following questions:



(i) Identify the practice illustrated above. (1mk)

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(ii) Study **four** advantages of the above practice. (2mks)

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(iii) State **three** limitations associated with the above practice. (1½mks)

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SECTION C (40 MARKS)

ANSWERS:

Order a copy of answers from www.schoolsnetkenya.com/order-e-copy

NB> We charge Kshs. 100 ONLY to meet website, e-resource compilation and provision costs