

NAME:INDEX NO:

SCHOOL:CANDIDATE'S SIGN.....

443/2
AGRICULTURE
PAPER 2
MAY/JUNE 2014
Time: 2 HOURS

BUNYORE-MARANDA SCHOOLS PRE-MOCK EXAMINATION
Kenya Certificate of Secondary Education
AGRICULTURE
PAPER 2
MAY/JUNE 2014
Time: 2 HOURS

INSTRUCTION TO CANDIDATES

- This paper consists of THREE sections: A, B and C.
- Answer ALL questions in section A and B
- And ANY Two questions from section C

SECTION	MARKS	CAND. SCORE
A	30	
B	20	
C	40	
TOTAL SCORE	90	

Section A (30 marks) Answer all questions in this section.

1. Name three methods of selection in livestock. (1 ½ mks)

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2. a) Name the causal organism of fowl typhoid. (1/2 mk)

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b) List three signs on a carcass which shows that an animal died of anthrax.

(1 ½ mks)

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3. Differentiate between cropping and harvesting in fish farming. (1 mark)

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4. Name four methods of dehorning in cattle rearing. (2 marks)

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5. State four structural requirements of a calf pen. (2 marks)

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6. Give four characteristics of a good site for a bee hive. (2 marks)

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7. State two functions of an egg shell. (1 mark)

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8. State four factors that can affect maintenance requirement of an animal. (2 marks)

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9. Name four parts of a roof on a farm building. (2 marks)

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10. State four disadvantages of nomadic pastoralism system of rearing livestock. (2 marks)

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11. State four signs of heat in cows. (2 marks)

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12. Name two methods of acaricide application onto cattle. (1 mark)

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13. Distinguish between inbreeding and line breeding as used in livestock production. (1 mark)

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14. State four maintenance requirements of a jack plane. (2 marks)

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15. State four practices that a farmer should carry out to reduce egg eating in poultry. (2 marks)

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16. a) Give two features of a good laying nets. (1 mark)

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b) Give three reasons why a young calf must be fed on colostrums during the first few days of birth. (1 ½ mk)

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17. State two reasons why calcium and phosphorus are important in the diet of young livestock. (1 mark)

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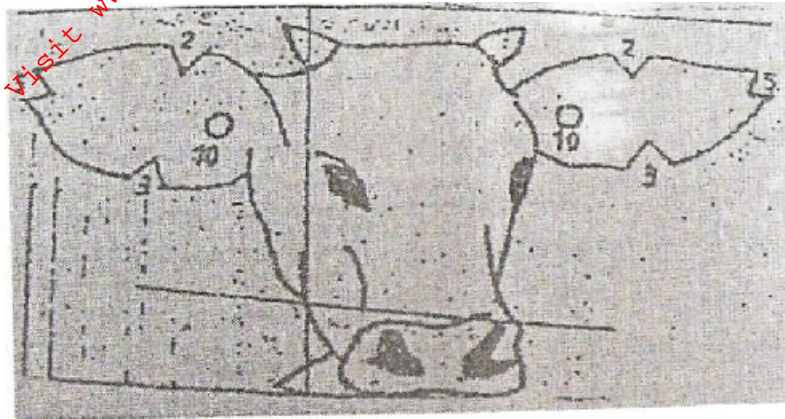
18. Name two kinds of livestock which can be castrated using a rubber ring. (1 mark)

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Section B (20 marks) Answer all questions in this section

19. The diagram below illustrates a method of identification in livestock production. Study the diagram and answer the questions that follows:



a) (i) Name the type of identification illustrated (1 mark)

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(ii) Give the identification number of the animal illustrated in the diagram. (1 mark)

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(iii) Using diagram illustrate how you can identify animals numbers 24 and 36 using the method. (2 marks)

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b) How can a farmer improve each of the following:

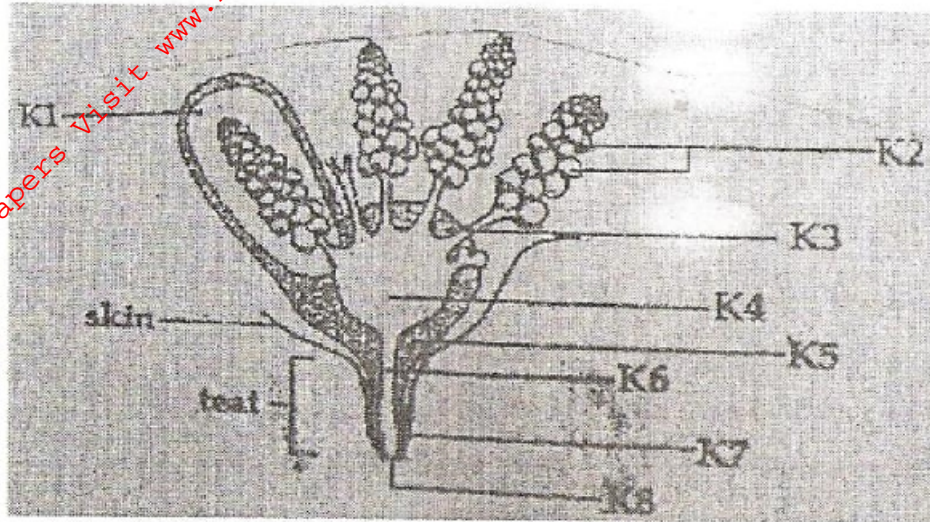
(i) Hardness of egg shell. (1/2 mk)

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(ii) Yellowness of the egg yolk. (1/2 mk)

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20. Shown below is a section through the mammary gland of a cow. Study the section carefully and answer the questions that follow:



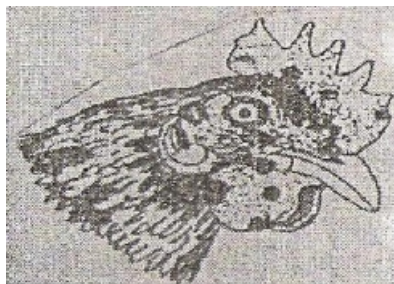
- a) On the diagram name the parts labeled K1, K2, K3, K4, K5, K6, K7 and K8. (4 marks)

K1.....K5.....
 K2.....K6.....
 K3.....K7.....
 K4.....K8.....

- b) Indicate one letter representing the part responsible for lactogenesis..... (1 mark)

- c) Lactogenesis is controlled by a hormone.....which is secreted by the pituitary gland. (1 mark)

21. The following diagram illustrates symptoms of a disease in poultry. Study it carefully and answer the questions that follow:



a) Identify:

(i) The disease..... (1/2 mk)

(ii) The causal organism..... (1/2 mk)

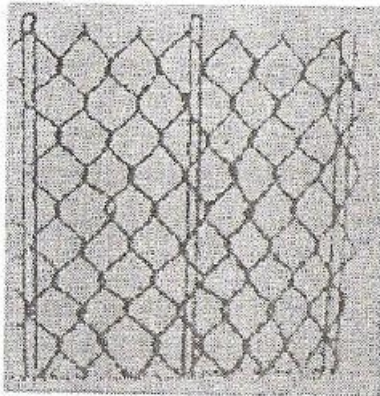
b) Apart from lesions, state two other symptoms of the disease. (2 mks)

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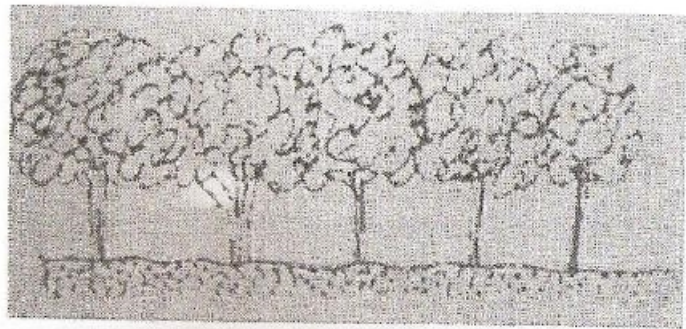
c) State two control measures for the disease. (2 mks)

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22. Study the illustrations of fences below and answer the questions that follow:



X



Y

a) Name the type of fences illustrated above. (1 mark)

X.....

Y.....

b) Name the correct tool used in maintenance of fence Y. (1 mark)

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c) State two advantages that fence y may have over fence X. (2 marks)

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