

NAME:INDEX NO:

SCHOOL:CANDIDATE'S SIGN.....

443/2
AGRICULTURE
PAPER 2
JUNE
Time: 2 HOURS

BUNYORE-MARANDA SCHOOLS EXAMINATION
Kenya Certificate of Secondary Education

AGRICULTURE
PAPER 2
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)

.....
.....

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

.....

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

(1 ½ mks)

.....

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

.....

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

.....

.....

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

.....

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

.....

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

.....

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

.....

.....

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

.....

.....

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

.....

.....

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

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

.....

.....

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

.....

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

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

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

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

.....
.....
.....

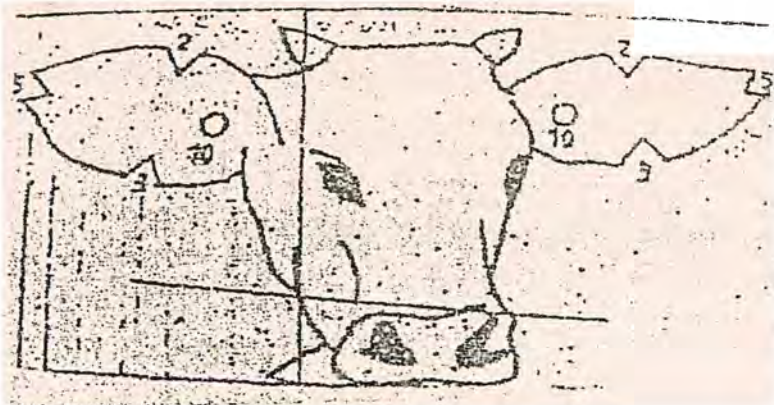
17. State two reasons why calcium and phosphorus are important in the diet of young livestock. (1 mark)

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

.....
.....

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)

.....

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

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

.....

.....

.....

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

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

.....

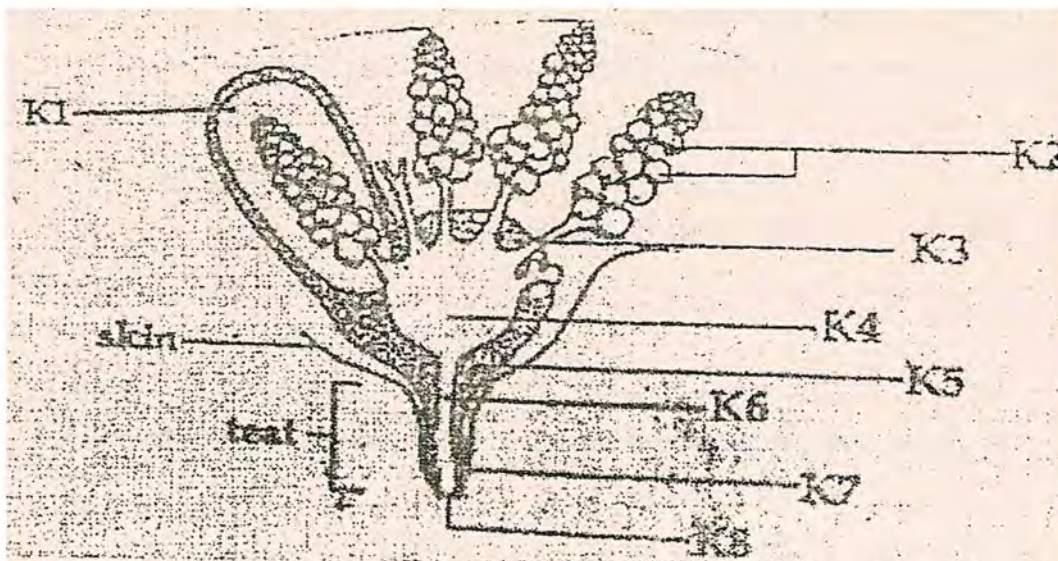
.....

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

.....

.....

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



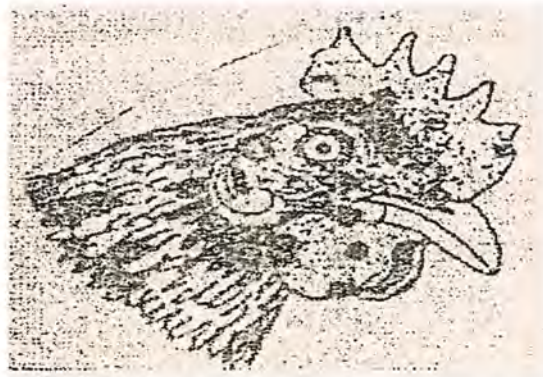
a) On the diagram name the parts labeled K1, K2, K3, K4, K5, K6, K7 and K8. (4 marks)

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)

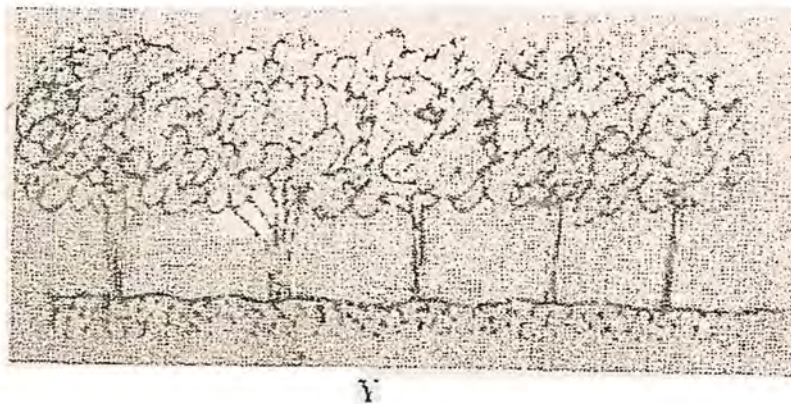
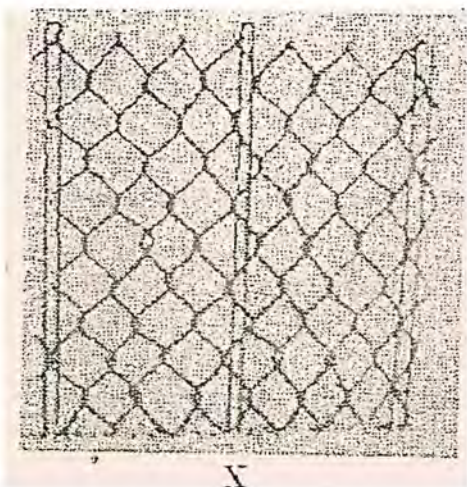
b) Apart from lesions, state two other symptoms of the disease. (2 mks)

.....

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

.....

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



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)

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

.....

Section C (40 marks) Answer any two questions in this section

23.a) Describe the characteristics of eggs selected for incubation. (5 marks)

b) Discuss five factors which affect the quality of honey (5 marks)

c) Describe the management of growers from the 9th week to the point of lay. (10 marks)

24a) Identify and give functions of any ten masonry tools (10 marks)

b) Describe the digestion of grass in the rumen of an adult ruminant (8 marks)

c) Explain two reasons why raddling is necessary in sheep management. (2 marks)

25. Describe the component parts of a plunge dip for cattle. (20 marks)

.....

