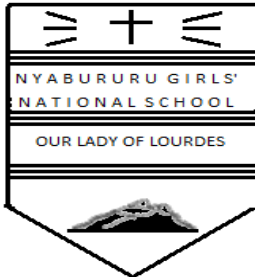


NAME..... ADM No.....CLASS...C/NO.....

SIGNATURE.....



DATE DONE.....

INVIGILATOR.....

DATE RETURNED.....

DATE REVISED.....

Kenya Certificate of Secondary Education

AGRICULTURE PAPER 443/2

PAPER 2

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

- Write your name and index number in the spaces provided above.
- This paper consists of **THREE** sections: A , B and C
- Answer **ALL** the questions in sections A and B and any **TWO** questions in section C
- ALL answers **MUST** be written in the spaces provided.
- This paper consists of 7 printed pages.
- Candidates should check to ensure that all pages are printed as indicated and no question is missing

FOR EXAMINER'S USE ONLY

	Questions	Maximum score	Candidate's score
A	1 - 20	30 marks	
B	21 - 23	20 marks	
C	24 - 26	40 marks	
Total		90	

SECTION A (30 MARKS)

Answer all the question in this section in the spaces provided

1. Give three reasons why ewes disown lambs (1 ½ marks)

2. Give two functions of each of the following parts of the egg (2marks)
 - a) Albumen
 - b) Egg shell

3. What term is preferably used to refer to parturition in sows (½ mark)

4. Give an intermediate host for the following internal parasites. (1mark)
 - a) *Taenia saginata*
 - b) *Taenia solium*

5. Give three symptoms of liver fluke attack in cattle. (1 ½ marks)

6. Differentiate between season and breeding in livestock production. (2marks)

7. Name the disease caused by the following organisms. (1mark)
 - a) *Fusiformis necrophorus*
 - b) *Bacillus anthracis*

8. State three symptoms of brucellosis in cattle. (1 ½ marks)

9. Give two reasons for carrying out inbreeding in livestock production. (1mark)

10. State three precautions observed in handling vaccines in livestock disease control (1 ½ marks)

11. Outline four effects of ticks on livestock (2 marks)

12. State three instances when a beekeeper may handle bees (1 ½ marks)

13. Name the most appropriate tools used in the following operations (3marks)

a) Removing metal chippings in files

b) Cutting wood along the grains

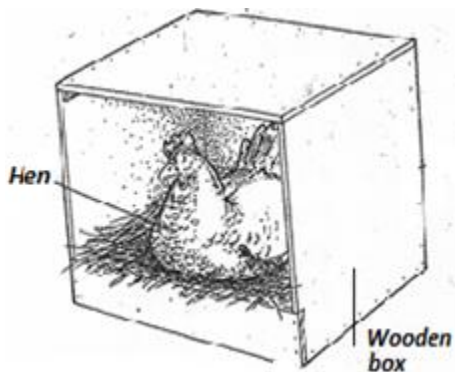
c) Cutting identification marks on ears of livestock

14. Name a pig breed that is large, white in colour, with a dished snout and erect ears
(1mark)
15. Give four maintenance practices of a fish pond
(2marks)
16. State four features of a good grains store
(2marks)
17. Give two reasons for carrying out crutching in sheep management
(1mark)
18. State two methods of carrying out caponisation
(1mark)
19. Give four reasons for castrating male calves
(2marks)
20. Give two reasons why a farmer should provide a lambing pen for ewes during parturition
(1mark)

SECTION B (20 MARKS)

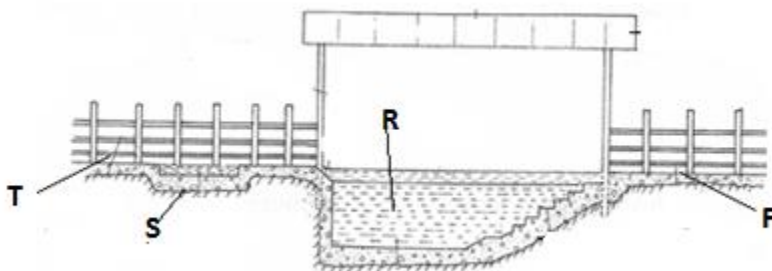
Answer all questions in this section in the spaces provided

21. The diagram below shows a hen sitting on eggs. Use it to answer the questions that follow



- a) Identify the method of incubation illustrated above (1mark)
- b) Give two signs that may show that the hen is ready to incubate the eggs (2marks)
- c) State two problems of using the above method to hatch chicks (2marks)

22. Below is an illustration of a farm structure. Study it and the questions that follow



- a) Identify the above farm structure (1mark)
- b) Name the parts labeled T, S, R, P (2marks)

T

S

R

P

c) State four factors considered when sitting the above structure (4marks)

d) Outline four management practices observed on cattle while using the above structure (4marks)

23. The illustrations below show a practice in layer birds. Use them to answer the questions that follow



a) What practice is represented above (1 mark)

b) Which illustration shows the correct way of carrying out the practice (1mark)

c) State two reasons for carrying out this practice in poultry (2marks)

SECTION C (40 MARKS)

Answer only two questions in this section in the spaces provided

24. (a) Outline the precautions observed when handling bees. (7marks)
(b) State the duties of a worker bee in a bee colony. (5marks)
- (c) Describe the procedure of extracting honey from honeycombs using heat method. (8marks)
25. (a) What are the factors put into consideration during selection of the breeding stock (10marks)
(b) Outline the factors that influence the choice of building materials. (10 marks)
26. (a) Outline the importance of fences in a mixed farm. (10marks)
(b) Describe the procedure of establishing a timber post and barbed wire fence. (10marks)