

NAME: ..... ADM NO: ..... CLASS: .....  
443/2  
**AGRICULTURE**  
**PAPER 2**  
**FORM FOUR**  
**TIME: 2 HOURS**

**INSTRUCTIONS TO CANDIDATES:**

1. This paper consist of three sections; A, B and C.
2. Answer all the questions in section A and B.
3. Answer any two questions from Section C.
4. Answer all the questions in the spaces provided

**SECTION A: (30 MARKS)**

**Answer all the questions from this section.**

1. State two major factors that affect egg production. (1 mk)
2. State four reasons for maintaining farm tools. (2 mks)
3. Name three dual purpose sheep breeds. (1 ½ mks)
4. Give four measures that should be taken to control tapeworms in livestock. (2 mks)
5. Give four reasons why the lubrication system is important in the tractor. (2 mks)
6. State two methods employed in rearing a calf. (1 mk)

7. State four cultural uses of livestock. (2 mks)

8. State four characteristics of a good acaricide. (2 mks)

9. Mention four factors that determine the amount of water taken by an animal. (2 mks)

10. State three enzymes contained in the pancreatic juice. (1 ½ mks)

11. Define the following terms as used in livestock breeds. (2 mks)

(a) Gilt –

(b) Steer –

(c) Pullet –

(d) Ram –

12. What is the function of the following parts in the reproductive system of farm animals. (2 mks)

(a) Epididymis –

(b) Vulva –

(c) Scrotum -

(d) Magnum –

13. State four properties of a good vaccine. (2 mks)

14. State four non-pathogenic causes of diseases in livestock. (2 mks)

15. Name one parasite under each of the following classifications: (1 mk)

(a) Insecta –

(b) Arachnida –

16. Name four ways in which power transmitted from the engine is made available for use. (2 mks)

17. Name four examples of holding tools and equipments. (2 mks)

**SECTION B: (20 MARKS)**

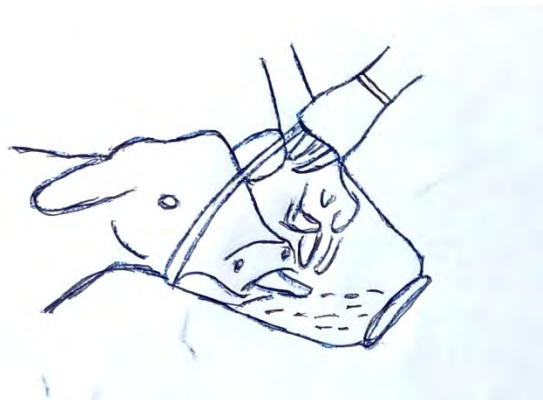
**Answer all the questions from this section.**

18. The illustrations below shows different ways some hens were debeaked.



- (a) Which hen was correctly debeaked ? (1 mk)
- (b) Give a reason for your answer in (a) above. (1 mk)
- (c) State four factors considered when sorting and grading eggs for market.(4 mks)

19. Study the diagram below showing an operation in livestock production.

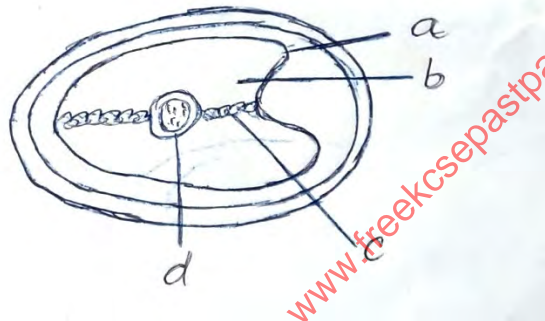


- (i) Identify the operation. (1 mk)

(ii) Outline the procedure for the operation shown above.

(4 mks)

20. Study the diagram below and answer the questions that follow.



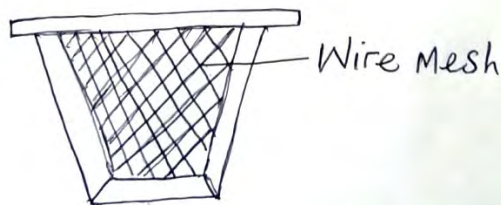
(i) Name parts a to d.

(2 mks)

(ii) State four conditions necessary for artificial incubation.

(4 mks)

21. Use the diagram below to answer the questions that follow.



(a) Give the name of the structure shown above.

(1 mk)

(b) State the importance of the above structure to a farmer. (1 mk)

(c) Name one pest that affects the organism that use the structure above. (1 mk)

**SECTION C: (40 MARKS)**

**Answer any two questions from this section.**

22. (a) Outline the factors considered in order to acquire optimum animal power. (10 mks)

(b) Name five materials and equipments used in hand milking and give their proper uses. (10 mks)

23. (a) Discuss the mechanical methods used to control ticks. (10 m ks)

(b) Discuss the general effects of parasites on livestock. (10 mks)

24. (a) Discuss the structural requirements of a calf pen. (14 mks)

(b) State the importance of identification in livestock management. (4 mks)

(c) State two types of fences found on the farm. (2 mks)

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