

NAME _____

INDEX NO. _____

SCHOOL _____

SIGNATURE _____

DATE _____

443/2

AGRICULTURE

PAPER 2

July, 2017

TIME: 2 HOURS

**KITUI COUNTY MOCK
END OF TERM II FORM FOUR EXAMINATION, 2017
Kenya Certificate of Secondary Education (K.C.S.E)**

443/2
AGRICULTURE
PAPER 2
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

- Write your name and index number in the spaces provided above.
- Sign and write the date of the examination in the spaces provided above.
- This paper consists of three sections: A, B and C.
- Answer **all** the questions in section **A** and **B** and **any two** questions from section **C**.
- All answers must be written in the spaces provided in this booklet.
- This paper consists of **12** printed pages.
- Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing

FOR OFFICIAL USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1 - 18	30	
B	19 - 22	20	
C		20	
		20	
	TOTAL		
	SCORE	90	

SECTION A (30 MARKS)

Answer ***all*** the questions in this section in the spaces provided.

1. Give **three** factors that affect the quality of honey. (1½ marks)

2. State **three** conditions that make a cow to withhold milk during milking. (1½ marks)

3. State **four** signs of furrowing observed in pigs. (2 marks)

4. Give **three** factors that may make birds to lay eggs on the floor in a deep litter. (1½ marks)

5. Give **three** characteristics of clean and high quality milk. (1½ mark)

6. Outline **four** control measures of round worms. (2 marks)

7. State **four** signs of liver fluke infestation in cattle. (2 marks)

8. Give **four** reasons of breeding in cattle.

9. List **four** methods of preserving fish.

(2 marks)

10. Name **two** classes of livestock feedstuffs.

(1 mark)

11. Give **two** roles of ovaries in cows' reproductive system.

(1 mark)

12. Give **two** reasons for flushing in sheep.

(1 mark)

13. Give **four** reasons for treating timber used in construction of farm buildings.

(2 marks)

14. State **four** factors that influence the daily water intake in an animal.

(2 marks)

15. Name **two** functions of a clutch in the tractors transmission system.

(1 mark)

16. Give **four** characteristics of a good calf pen.

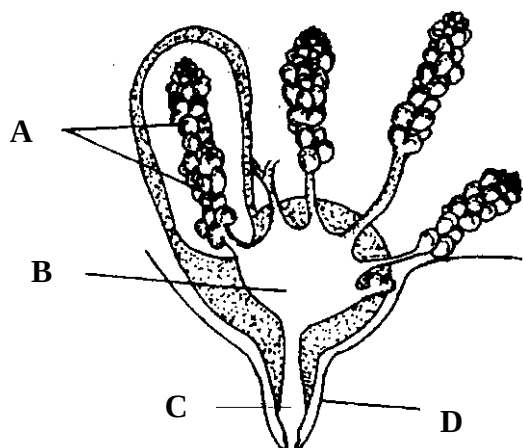
17. State **four** factors that influence the choice of the poultry system of rearing to use. (2 marks)

18. State **four** routine management practices carried out on a replacement stock that is a heifer. (2 marks)

SECTION B (20 MARKS)

Answer **ALL** questions in this section in the spaces provided.

19. The diagram below is a cross section of part of a cow's udder.



a) Name the parts marked A, B, C and D. (2 marks)

A _____

B _____

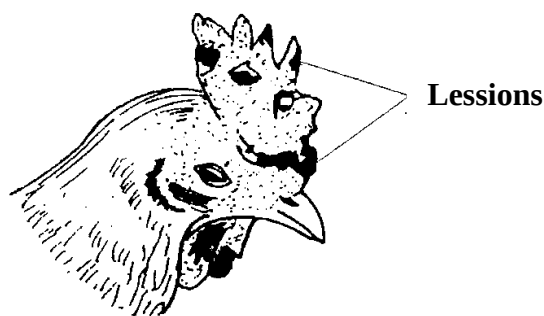
C _____

D _____

b) Name **two** hormones that control milk let down in a dairy cow. (2 marks)

c) What is a dry cow therapy? (1 mark)

20. The diagram below shows the head of a chicken having symptoms of a poultry disease.

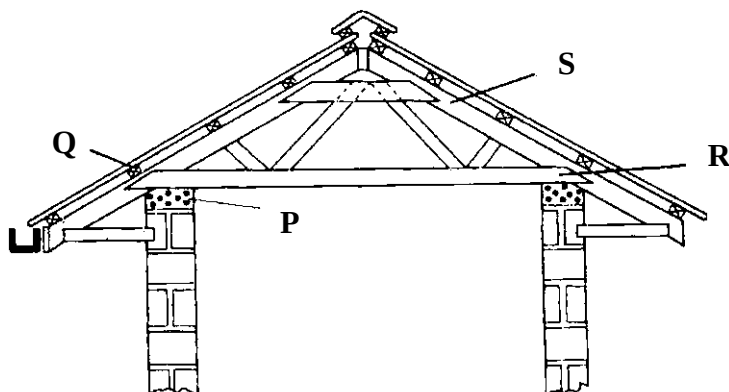


a) Identify the disease. (1 mark)

b) Give **two** reasons why the disease is of economic importance. (2 marks)

c) Outline **two** methods of controlling the above disease.

21. The following diagram shows parts of a roof. Study it carefully and answer the questions that follow.



a) Name the parts labeled P, Q, R and S.

(2 marks)

P _____

Q _____

R _____

S _____

b) State the functions of P and Q.

(2 marks)

P _____

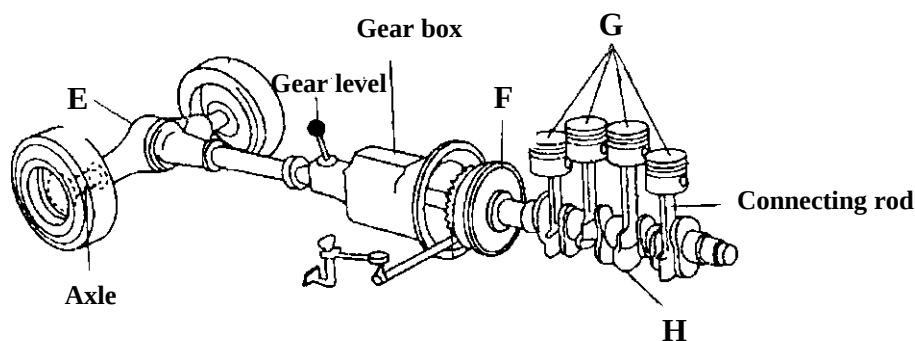
Q _____

c) Give **two** chemical preservatives for treating timber before use in the construction of farm structures.

(2 marks)

22. Below is a diagram of power transmission system of tractor engine.

Study it and answer the question that follows.



a) Name the parts labeled E, F, G and H.

(2 marks)

E _____

F _____

G _____

H _____

b) State the functions of E and H.

E _____
H _____

SECTION C (40 MARKS)

Answer ANY TWO questions from this section.

23. a) Describe **five** pre-disposing factors of livestock diseases. (5 marks)
b) Describe **six** mechanical methods of controlling ticks. (6 marks)
c) Describe the factors that affect milk composition of a cow. (9 marks)
24. a) State **five** advantages of farm mechanization. (5 marks)
b) Explain **five** advantages of using a mould board plough in seed bed preparation. (5 marks)
c) Describe the use of various materials in construction of a Kenya Top bar hive. (5 marks)
d) Outline the care and maintenance of a tractor water cooling system. (5 marks)
25. a) State **four** physical characteristics of a dairy cow. (4 marks)
b) State **nine** factors to consider when selecting livestock for breeding. (9 marks)
c) Describe milk fever in dairy cattle under the following sub-headings.
i) The cause of the disease (1 mark)
ii) Symptoms of the disease (4 marks)
iii) Control measures (2 marks)

