

NAME INDEX NO.....ADM NO.....
 SCHOOL.....CLASS..... SIGNATURE
 DATE

433/2.
 AGRICULTURE
 PAPER 2 (THEORY)
 2 HOURS.

NYAHOKAKIRA CLUSTER THREE EXAMINATION 2022

Kenya Certificate of Secondary Education (k.c.s.e.)



INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the spaces provided above.
2. This paper has **THREE** sections: A , B and C
3. Answer **ALL** the questions in section A and B and any **TWO** questions in section C
4. ALL answers **MUST** be written in the spaces provided.
5. Do not remove any pages from this booklet.

FOR EXAMINER'S USE ONLY

	Questions	Maximum score	Candidate's score
A	01-18	30 marks	
B	19-22	20 marks	
C	23-25	40 marks	
		Total score	

Candidates should check to ensure that all pages are printed as indicated and no questions are missing

SECTION A. (30 marks)

1. State one use of the following tools in the farm. (2 marks)

a) Spoke shave

b) Pipe wrench

c) Stock and die

d) Wire strainer

2. Give four reasons why indigenous cattle breeds are more suited to semi arids of kenya than exotic breeds. (2 marks)

3. List four reasons for keeping farm livestock healthy? (2 marks)

4(a). State two uses of a footbath in a cattle dip. (1 mark)

(b). What is hybrid vigour or (heterosis) in breeding? (1 mark)

5. Name two functions of a calcium in dairy cows. (1 mark)

6. State two factors that could cause sudden stopping of a tractor engine. (2 marks)

7. Explain two functions of a clutch in a tractor (1 mark)

8. State any four causes of stress to a flock of layers

(2 marks)

9. Name four ways in which cannibalism in poultry could be avoided

(2 marks)

10(a). What is the cause of grass staggers in animals?

(1 mark)

(b). Give the meaning of the following terms;

(2marks)

i). Incubation period

ii). Mortality rate

11. Name the breed of goat kept for hair production.

(1 mark)

12. Name two dual purpose breeds of cattle

(1 mark)

13. Give two tools used in smoothening the wood

(1 mark)

14. Name two methods of feeding a calf with colostrum

(1 mark)

15. Give one reason for housing calves singly.

(1 mark)

16. Name two methods of identifying piglets in the farm.

(1 mark)

17. List four characteristics of a clean high quality milk.

(2 marks)

18. State any two functions of each of the following parts of the egg.

(3 marks)

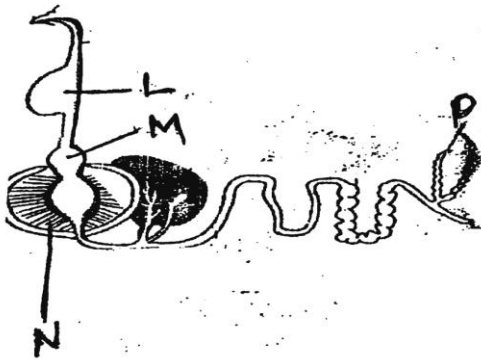
a) Chalazae

b) Albumen

c) Shell

SECTION B. (20 marks)

19. The diagram below illustrate the digestive system of a hen. Study it carefully and then use it to answer the questions that follow.



(a). Identify the parts labeled L and P

(2 marks)

L

P

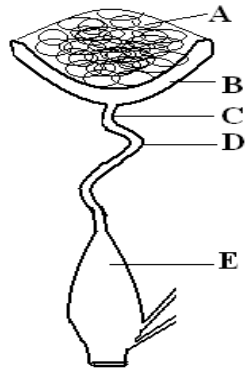
(b). State the function of part labeled M

(1 mark)

(c). State two features of part labeled N that enables it to perform its functions.

(2 marks)

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



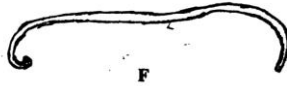
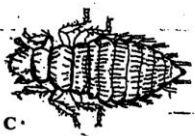
(i) Name the parts labelled A, B, C, D and E in the diagram. (2½ marks)

- A _____
- B _____
- C _____
- D _____
- E _____

(ii) State the function of each part. (2½ marks)

- A _____
- B _____
- C _____
- D _____
- E _____

21.(a). Identify each of the parasite of livestock shown below and answer the questions that follow.

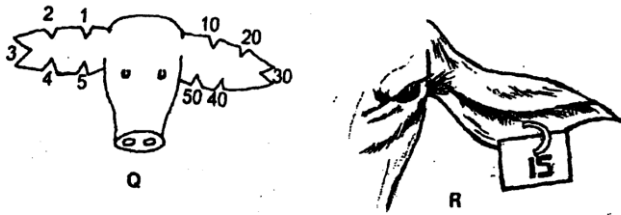


(i). What is the difference between parasite C and D; parasite E and F (2 marks).

(ii). Suggest two effective methods of controlling parasite labeled E. (2 marks)

(iii). Give one harmful effects of parasite E and F in livestock (1 mark)

22. Diagram Q and R below illustrates a practice carried out on livestock. Study the diagrams and answer the questions that follow.



(a). Identify the practice Q and R (1 mark)

(b). Name the method carried out in Q and R. (1 mark)

Q _____

R _____

(c). State one advantage of R over Q. (1 mark)

(d). Give two reason of carrying out the practices Q and R. (2 marks)

SECTION C (40 marks)

23.(a). Describe foot and mouth disease under the following sub headings.

- (i). Causal organism (1 mark)
 - (ii). Symptoms (5 marks)
 - (iii). Control measures (4 marks)
- (b). Explain **ten** advantages of battery cage system in poultry rearing. (10 marks)

24.(a). Discuss the importance of farm fences. (10 marks)

(b). Give five characteristics of beef cattle breed (5 marks)

(c). Describe the reasons why bees may abscond from a beehive (5 marks).

25.(a). State five structural difference between petrol and diesel engines (10 marks)

(b). Outline **five** signs of tapeworm infestation. (5marks)

(c). Describe the essentials of clean milk production in dairy farming. (5 marks)

