

Name Adm. No.

443/2
AGRICULTURE
Paper 2
October 2016
Time: 2 Hours

Candidate's Signature

Date

KANDARA SUB-COUNTY FORM 3 JOINT EVALUATION
Kenya Certificate of Secondary Education

AGRICULTURE
Paper 2
October 2016
Time: 2 Hours

INSTRUCTIONS TO CANDIDATES

- * Write your name and admission number in the spaces provided above.
- * This paper consists of three sections **A, B** and **C**
- * Answer **ALL** the questions in section **A** and **B** in the spaces provided.
- * Answer any **TWO** questions in section **C** in the spaces provided at the end of the section.

For Examiner's Use Only

Section	Question	Maximum score	Score
A	1 - 18	30	
B	19 - 23	20	
C		20	
		20	
		20	
Total score		90	

SECTION A : (30 MARKS)

Answer all the questions in the spaces provided.

1. State four reasons for maintaining farm tools and equipment in good working conditions. (2 marks)

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

2. Give four dairy characteristics possessed by a typical Friesian / Holstein cow. (2 marks)

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

3. State the origin of the following pig breeds.

- a) Duroc Jersey
- b) Wessex Saddleback
- c) Landrace
- d) Berkshire

4. Mention four signs of ill health in livestock. (2 marks)

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

5. Name three insect parasites that attack livestock. (1½ marks)

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

6. State four roles of vitamins in livestock diet. (2 marks)

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

7. Outline four factors considered when selecting a breeding stock in pig production. (2 marks)

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

8. Give two factors to consider when establishing an apiary. (1 mark)

.....
.....

9. Identify two methods used in selection other than mass selection. (1 mark)

.....
.....

10. State three management practices carried out to a doe during gestation period in goats. (1½ marks)

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

11. Give two structures that can used to control livestock diseases and parasites on a farm. (1 mark)

.....
.....

12. Study the table below and fill in the missing words. (3 marks)

Description	Cattle	Pigs	Poultry
Young from birth / hatching to weaning			Chick
Young female before first parturition / laying		Gilt	
Mature male for breeding	Bull		

13. State four viral disease that attack cattle. (2 marks)

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

14. Name four workshop tool and equipment that can be used for measuring distances. (2 marks)

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

15. Give three reasons for flushing in sheep management. (1½ marks)

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

16. Name a breed of goat kept for hair production. (½ mark)

.....

17. State two functions of purlings in a roof. (1 mark)

.....
.....

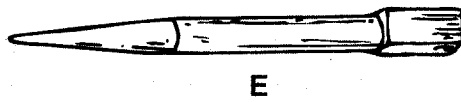
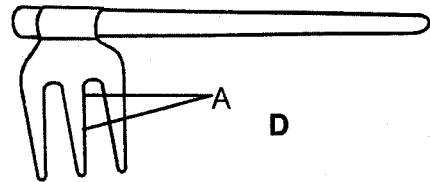
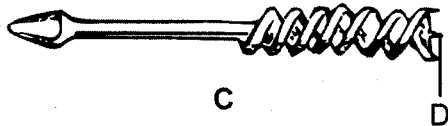
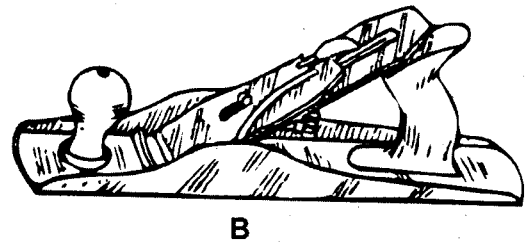
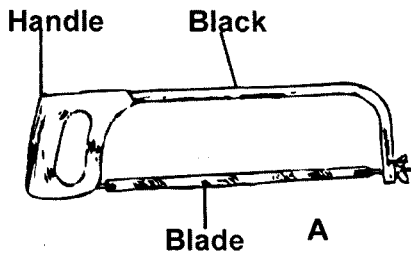
18. List four factors that predispose livestock to diseases. (2 marks)

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

SECTION B : (20 MARKS)

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

19. Study the following tools and equipment and answer the questions that follow.



a) Identify the tools labelled B and C. (2 marks)

B

C

b) State the function of the tool labelled E above. (1 mark)

.....

c) Name the parts labelled A and D. (1 mark)

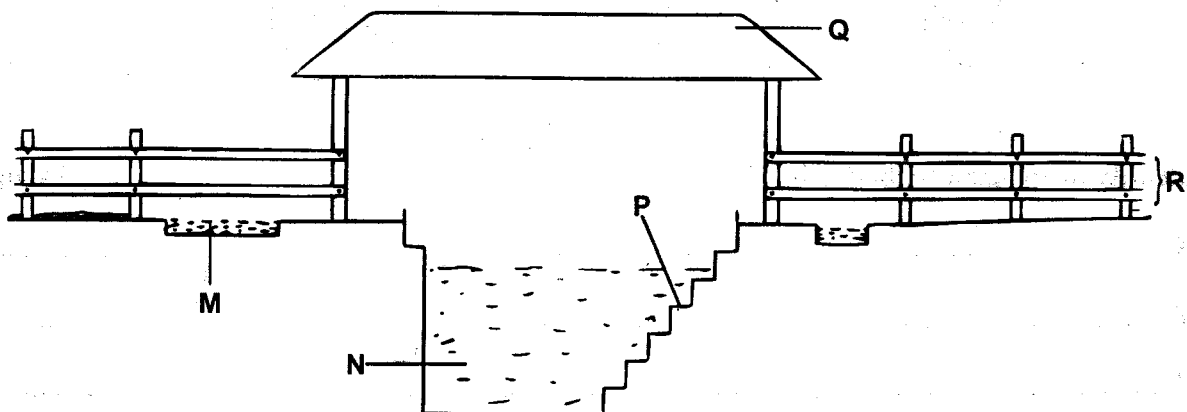
A

D

d) Give one maintenance practice carried out on tool A (1 mark)

.....

20. The diagram below is a livestock handling structure. Study it to answer the questions that follow.



a) Identify the structure above. (1 mark)

.....

b) Name the parts labelled M, N, P, Q (2 marks)

M

N

P

Q

c) Give one importance of parts labelled M and P (2 marks)

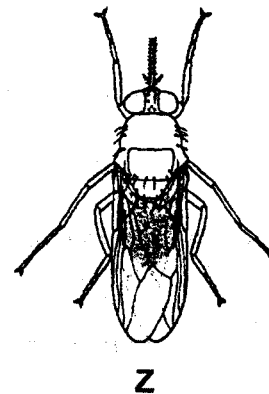
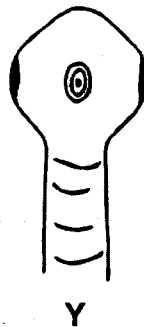
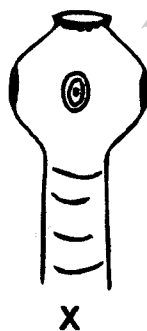
M

P

21. A farmer would like to prepare 600kg ration for layers containing 20% DCP using a mixture of maize, 10% DCP and cotton seedcake containing 40% DCP. Using Pearsons square method calculate how much of maize and cotton seed cake will be needed. (4 marks)

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

22. Below are diagrams of the scolex of two tapeworm species and an insect parasite to livestock labelled X, Y and Z. Use them to answer the questions that follow.



a) Identify the parasites labelled X, Y and Z (1½ marks)

X

Y

Z

b) Name the intermediate hosts of each of the species X and Y above. (1 mark)

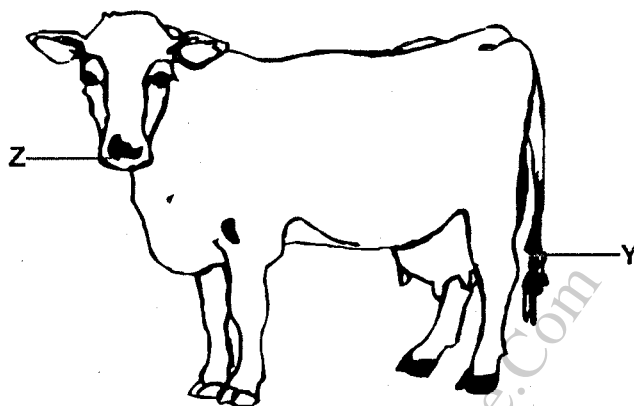
X

Y

c) State one effect of the parasite labelled Z in livestock. (½ mark)

.....

23. Below is a sketch of a livestock. Study it and answer the questions that follow.



a) Identify the type of cattle represented by the diagram above. (1 mark)

.....

b) Give a reason for your answer in (a) above. (1 mark)

.....

.....

c) Name the parts labelled Y and Z (1 mark)

Y

Z

SECTION C : (40 MARKS)

Answer any two questions in the spaces provided after question 26.

24. a) Explain seven factors considered when selecting materials for construction of a pigsty. (14 marks)

b) Outline six symptoms of attack by roundworms Ascaris spp.

25. a) Outline the signs of farrowing in a sow. (4 marks)

b) Describe the lifecycle of a one host tick. (6 marks)

c) Explain five factors that influence digestibility of a feed. (10 marks)

26. a) Explain the importance of keeping livestock healthy. (10 marks)

b) Give reasons for breeding in livestock. (6 marks)

c) Outline four practices carried out on fish before preservation. (4 marks)

www.Manyanfranchise.Com

www.Myanmarfranchise.com

