

Name: ..... Adm No .....

School: ..... Student's Sign .....

Date: .....

443/2  
AGRICULTURE  
PAPER 2  
TIME: 2 HOURS  
TERM 3 2017

*Form Three*

Agriculture  
Paper 2  
2 hours

**INSTRUCTIONS TO STUDENTS:**

- Write your name, admission number and school in the spaces provided.
- Sign and write the date of the examination in the spaces provided.
- This paper consists of **three** sections; **A**, **B** and **C**.
- Answer **all** questions in section **A** and **B**.
- Answer any **two** questions in section **C**.
- All answers **must** be written in the spaces provided.

**For Examiner's Use Only;**

SECTION	MAXIMUM SCORE	CANDIDATE SCORE
A	30	
B	20	
C	40	
TOTAL	90	

**SECTION A (30MKS)**

1. State four harmful effects of ticks on livestock (2mks)

.....

.....

.....

.....

2. a. Define the following terms as used in livestock breeding

i. hybrid vigor (1mk)

.....

.....

ii. mothering ability (1mk)

.....

.....

b. State four advantages of artificial insemination (AI) in a livestock breeding (2mks)

.....

.....

.....

.....

3. Give the use of a spoke shave on the farm (1mk)

.....

4. Why is it necessary to vaccinate livestock (1mk)

.....

5. State three factors that influence the amount of water taken by a farm animal (1 ½ mks)

.....

.....

.....

6. Outline four factors affect the digestibility of a feed. (2mks)

.....

.....

.....

.....

7. List four safety precautions which should be considered when using farm tools (2mks)

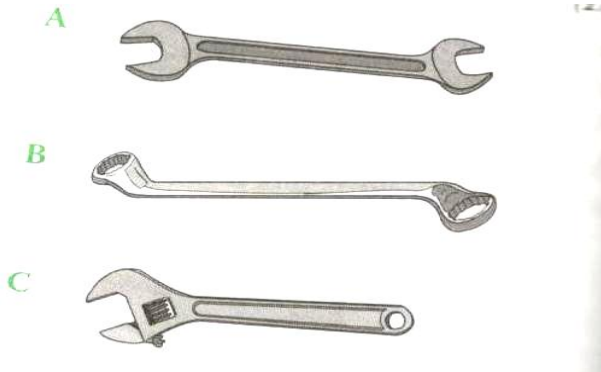


.....  
.....  
.....  
17. Outline four factors that would influence the use of a jembe instead of a disc plough in seedbed preparation.  
(2mks)

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

**SECTION B (20MKS)**

18.a) Identify the tools shown below (1 ½ mks)



b).State one advantage of tool C over A and B (2mks)

.....  
.....

c) Outline two maintenance practices carried out on the above tools (1mk)

.....  
.....

19. The diagram below shows a livestock parasite



a) Identify the parasite (1mk)

.....

b) Name two species of livestock commonly attacked by the parasite (1mk)

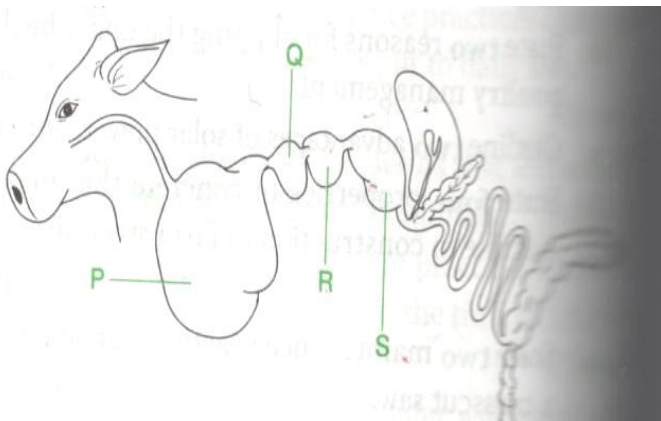
.....

.....

c) In which organ in livestock is the parasite found? (1mk)

.....

20. Study the diagram of the digestive system of a farm animal shown below and answer the questions that follow.



a) Name the parts labelled P, Q, R and S (1mk)

P.....

Q:.....

R.....

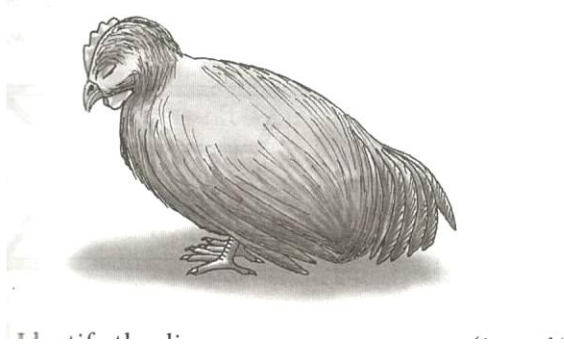
S.....

b) State the function of the part labelled R (1mk)

.....

c) Using the Pearson's square method ,compute a 200kg ration with 20% DCP from oats which contains 10% DCP and simsim seed cake containing 60% DCP (4mks)

21. The diagram below shows a chicken suffering from a certain disease.



a) Identify the disease (1mk)

.....

b) Outline three symptoms of the disease you have identified in (a) above (1 ½ mks )

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

c) State three control measures of the above disease (1 ½ mks)

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

**SECTION C answer any two questions (40MKS)**

22. Describe the measures used to control livestock disease (20mks)

23.a) Explain five differences between the digestive systems of a ruminant and non – ruminant when selecting livestock for breeding (10mks)

b) Describe factors considered when selecting livestock for breeding (10mks)



Handwriting practice sheet with 30 horizontal dotted lines.



.....  
.....