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	
В	20	
С	40	
TOTAL	90	

SECTION A (30MKS)

1. State four harmful effects of ticks on livestock	(2mks)
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 (A1) in a livestock	breeding (2mks)
3. Give the use of a spoke shave on the farm	
4. Why is it necessary to vaccinate livestock	(1mk)
5. State three factors that influence the amount of water taken by a far	
6. Outline four factors affect the digestibility of a feed.	(2mks)
7. List four safety precautions which should be considered when using	g farm tools (2mks)

8. State four effects of protein deficiency in animals	(2mks)
9. Give four advantages of embryo transfers in livestock production (2mks)	
10. Differentiate between steaming up and flushing as used livestock rearing (2mks)	
11. Outline signs of heat in sows (2mks)	
12. State two qualities of crop feed that make it suitable for piglets (1mk)	
13. State two preventive measures for bloat in ruminant production (1mks)	
14. Name one intermediate hast in life cycle of a liver fluke (1mk)	
15. Give four adventeges of renabing (2mks)	
15. Give four advantages of ranching (2mks)	
16. State three maintenance practices carried out on a crosscut saw (1 ½ mks)	
10. State tillee maintenance practices carried out on a crosseut saw (1 /2 mks)	

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
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
STAND ON THE STAND

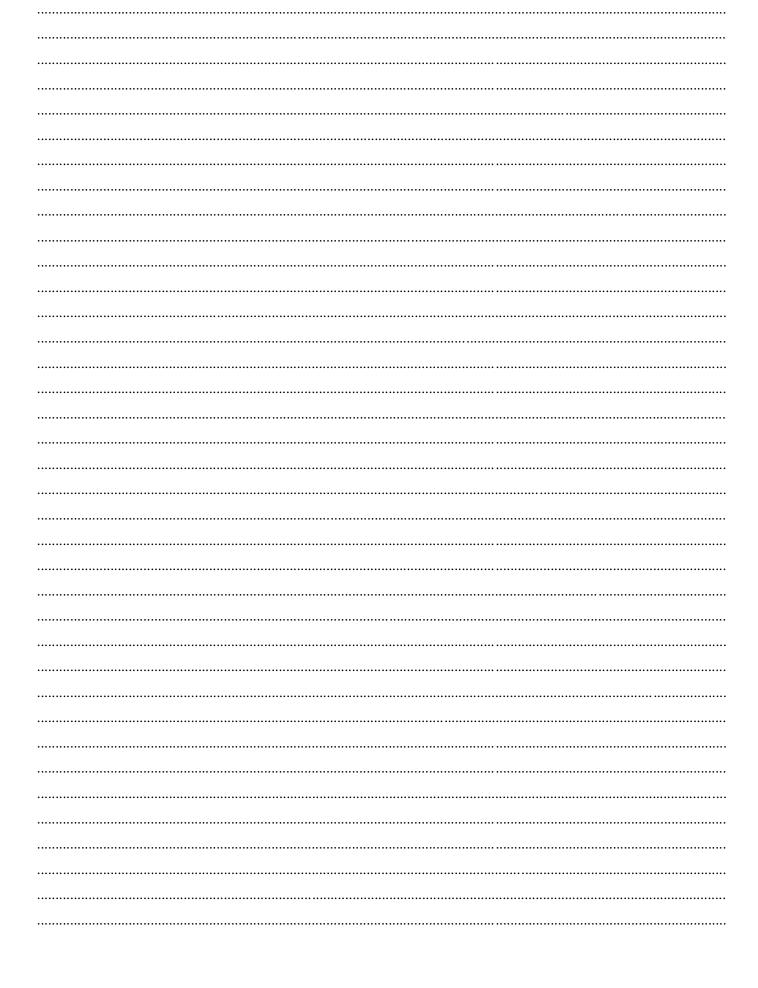
a) Identify the parasite (1mk)
b) Name two species of livestock commonly attacked by the parasite (1mk)
c) In which organ in livestock is the parasite found? (1mk)
20. Study the diagram of the digestive system of a farm animal shown below and answer the questions that follow.
a) Name the parts labelled P, Q, R and S (1mk) P
R

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.
The result of the second of th
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)
SICILET C unsuct unly two questions (Totalis)
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)

b) Explain various parts and functions of the female reproductive system of a chicken (10mks)	

24. a) Explain five characteristics of indigenous cattle breeds (10mks)



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