

NAME INDEX NUMBER

SIGNATURE

DATE

443/2

AGRICULTURE

PAPER 2

TIME: 2 HRS

JULY/AUGUST 2016

NTIMA, NYAKI AND MUNICIPALITY CLUSTER EVALUATION 2016
Kenya Certificate of Secondary Education (K.C.S.E)

AGRICULTURE

Paper 2

JULY/AUGUST 2016

Time: 2 hours

INSTRUCTIONS TO CANDIDATES

- Write your Name and Index number in the spaces provided above
- Sign and write the date of 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 other two from section C.

FOR EXAMINER'S USE ONLY

Section	Maximum Score	Candidates Score
A	30	
B	20	
C	20	
	20	
TOTAL SCORE	90	

SECTION A (30 MARKS)
Answer ALL questions in this section in the spaces provided

1. List four factors that may dispose an animal to a certain disease (2 mks)
-
-
-
-
2. Give four reasons why dehorning is done in livestock (2 mks)
-
-
-
-
3. Give the distinguishing colour for each of the following breeds of livestock
- a) Chinchilla (1 mk)
-
-
- b) Toggenburg goat (1 mk)
-
-
4. Differentiate between the following tools
- a) Bastard file and rasp file (2 mks)
-
-
-
- b) Copying saw and hacksaw (2 mks)
-
-
-
5. State four factors that would contribute to the depreciation of a farm equipment (2 mks)
-
-

.....
.....
6. Name the intermediate host of liver fluke

(1 mk)

.....
.....
7. State two methods of lambing management

(2 mks)

.....
.....
8. State four parts on the chicken which are frequently attacked by fleas

(2 mks)

.....
.....
9. What are the functions of a clutch in a tractor ?

(2 mks)

.....
.....
10. Name two intensive rearing systems of poultry

(1 mk)

.....
.....
11. Name two methods commonly used in identifying sheep

(2 mks)

12. State two characteristics of the African wild bee which makes it better in bee keeping than the European bee type (2 mks)

.....

.....

.....

.....

13. Give three reasons why harvesting honey at night is discouraged (3 mks)

.....

.....

.....

.....

14. Name four components of power transmission system in a tractor (2 mks)

.....

.....

.....

.....

15. Give two examples of feed additives in livestock nutrition (1 mk)

.....

.....

SECTION C : (20 MARKS)

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

a) Identify the implement

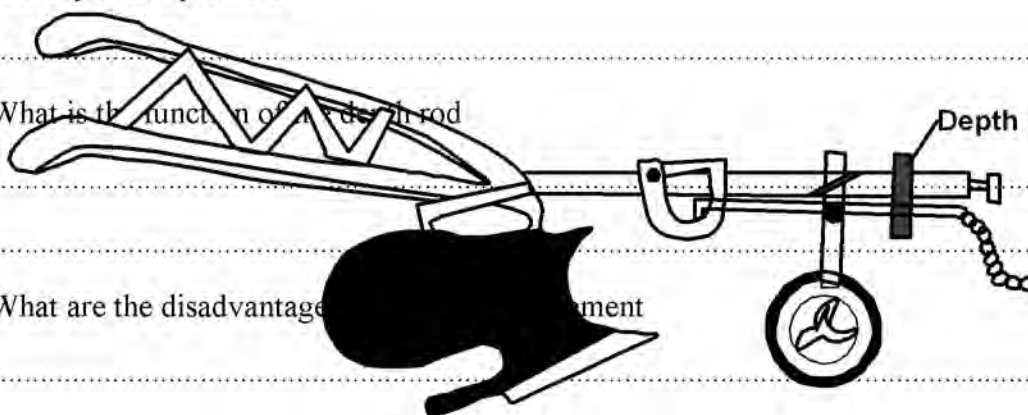
(1 mk)

b) What is the function of the depth rod

(1 mk)

c) What are the disadvantages of the implement

(3 mks)



17. i) Using the Pearson's square method compute a 2000 kg ration with 20% DCP from maize which contains 10% DCP and cotton seed cake containing 45% DCP. Show your working

(4 mks)

- ii) A boar gained 70 kg of live weight after eating 280 kg of pig finisher meal over

a period of time. Calculate the feed conversion ratio

(2 mks)

.....

.....

.....

.....

18. Study the ground plan of the zero grazing unit shown in the diagram below and answer the questions that follow.

a) Indicate the location of the following parts of a zero grazing unit using roman numbers on the diagram.

i) Store

ii) Calf pen

iii) Walking area

iv) Food and water trough area

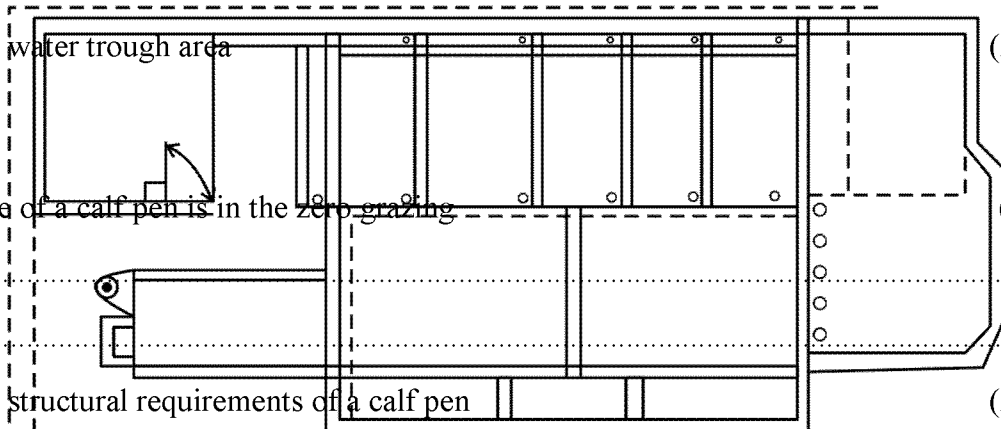
(2 mks)

b) What type of a calf pen is in the zero grazing

(1 mk)

c) State two structural requirements of a calf pen

(2 mks)



.....

.....

.....

.....

19. Study the table below and fill in the missing words

(4 mks)

- a) b) c)
d) e) f)
g) h)

SECTION C (40 MARKS)

Answer any TWO questions in the spaces provided

- 20.** a) Describe concisely the life cycle of a three-host tick (7 mks)
b) Discuss tick control methods (6 mks)
c) State four characteristics of effective acaricides (4 mks)
d) Give three methods of applying acaricides on livestock (3 mks)

21. a)	Describe hand milking of a dairy cow		Cattle	Pigs	Poultry	Sheep	(10 mks)
	(i)	Young from birth	(a)	(b)	Chick	Lamb	(8 mks)
	b)	Explain the practices observed in clean milk production or hatching to weaning					
22. a)	(ii)	Young female before first parturition /laying	(c)	Gilt	(d)	(e)	(2 mks)
	b)	Name two milking equipments.					(3 mks)
	(iii)	Describe the stocking of fish into a fish pond	Bull	(f)	(g)	(h)	
b)	Describe the feeding of fish in a fish pond						(6 mks)

- c) Give five practices carried out on fish before preservation (5 mks)
- d) State six management practices in fish rearing (6 mks)

[illegible]

[illegible]

[illegible]

[illegible]