

Name.....

Index No.

School

443/1
AGRICULTURE
PAPER 2
THEORY
JULY / AUGUST
TIME: 2 HOURS

Kenya Certificate of Secondary Education (K.C.S.E)

INSTRUCTIONS TO CANDIDATES

- This paper consists of THREE sections A,B and C.
- Answer ALL questions in section A and B and any two from section C.
- All answers should be written in the spaces provided

For Examiner's Use Only

Section	Questions	Maximum	Candidate's Score
A	1 – 12	30	
B	13 – 16	20	
C		20	
		20	
TOTAL	90		

This paper consists of 12 printed pages.

1. Write two physical characteristics of saddle back breed in pigs.
(2mks) *Nym*
2. State two reasons for flushing in sheep production.
(2mks) *Nym*
3. State two disadvantages of live fences.
(2mks) *Nym*
4. Give one reason why concrete floors are recommended for dairy shed.(1mk) *Nym*
5. State two reasons for feeding a dairy cow with roughage.
(2mks) *Nym*
6. Give two causes of egg eating in poultry.
(2mks) *Nym*
7. What is the importance of feeding poultry on grit.
(1mk) *Nym*
8. a) Give two predisposing factors of mastitis disease in dairy cattle.
(2mks) *Nym*
- b) Give two symptoms of mastitis in dairy cows.
(2mks) *Nym*
9. Give two signs of heat in female rabbit.
(2mks) *Nym*
10. Name the causal organism of brucellosis disease in cattle.
(1mk) *Nym*
11. Define heterosis in livestock production.
(1mk) *Nym*
12. Give two reasons for hoof trimming.
(2mks) *Nym*
13. State four effects of parasites on livestock.
(2mks) *Nym*

14. State four components system in a tractor.

(2mks) *Nym*

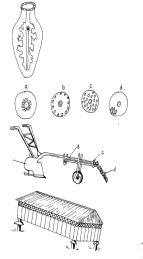
15. Mention the two methods of attachment in tractor drawn implements.(2mks) *Nym*

16. Give four maintenance practice carried on a pruning hook.

(2mks) *Nym*

SECTION B (20 MARKS)

17. The diagram below represents a livestock parasite.



a) Identify the parasite.

(½ mk) *Nym*

b) Name one livestock affected by the parasite.

(½ mk) *Nym*

c) Name the organ in the host where the adult stage of this parasite is found.(½ mk) *Nym*

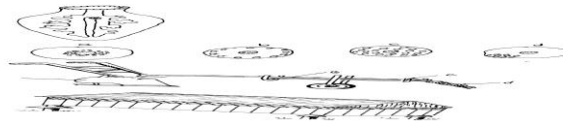
d) Name the intermediate host of the parasite.

(½ mk) *Nym*

e) State two control measure of the parasite.

(2mks) *Nym*

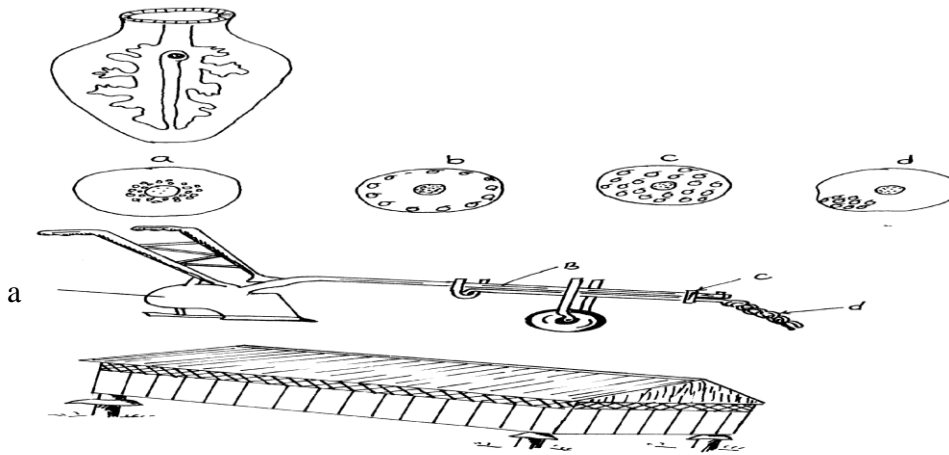
18. Study the diagram shown below and answer the question that follow.



Indicate below each diagram the conditions in the brooder.

(4mks) *Nym*

19. Carefully study the diagram below and answer the questions that follow.



(i) Identify the implement

(1mk) *Nym*

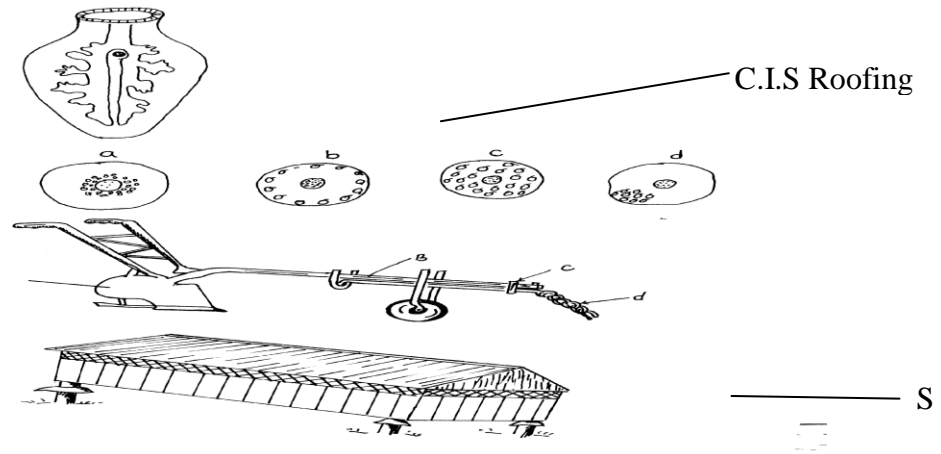
(ii) Identify the parts named a, b, c, d

- a (½ mk) *Nym*
- b (½ mk) *Nym*
- c (½ mk) *Nym*
- d (½ mk) *Nym*

(iii) What is the function of the part labelled C.

(1mk) *Nym*

20. Study the diagram below representing a modern grain store and answer the questions that follow.



a) Name the part marked S on the diagram above.

(1mk) *Nym*

b) Give three maintenance practices of the structure above.

(3mks) *Nym*

21.

a) Name two pests of bees.

(1mk) *Nym*

b) Give two uses of hive tool in honey harvesting.

(2mks) *Nym*

c) Give two reasons why honey harvesting is discouraged at night.

(1mk) *Nym*

SECTION C (40 MARKS)

22.

Discuss bloat under the following sub-headings.

a) Four causes.

(4mks) *Nym*

b) Six symptoms

(6mks) *Nym*

c) Two control measures.

(2mks) *Nym*

d) Five treatment measure

(5mks) *Nym*

e) Three species of animals affected by this disease.

(3mks) *Nym*

23.

a) Describe cattle management at dipping.

(8mks) *Nym*

b) State six maintenance practices of a plunge dip.

(8mks) *Nym*

c) Name six parts of a zero grazing unit.

(6mks) *Nym*

24.

a) Differentiate between a two stroke and four stroke engine.

(4mks) *Nym*

b) Using well labelled diagrams explain the process i.e induction, compression, power and exhaust in the four stroke cycle engine.

(16mks) *Nym*