

Name: Index no

School: Candidate's sign

Class..... Adm No.....

AGRICULTURE 443/2

DECEMBER 2021

TIME: 2 HOURS

MOI HIGH SCHOOL-KABARAK

FORM FOUR MOKASA II MOCK

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

Agriculture

Paper 2

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.
- Answer any **two** questions in section C.
- All answers should be written in the spaces provided.
- This paper consists of 11 printed pages.
- Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- Candidates should answer all the questions in English.

For Examiner's Use Only:

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-17	30	
B	18-21	20	
C		20	
		20	
	TOTAL SCORE	90	

SECTION A (30 MARKS)

Answer **ALL** the questions in this section in the spaces provided.

1. Give **two** reasons for washing the udder with warm water before milking. (1mk)

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

2. State **four** pre-disposing factors of scours in calves. (2mks)

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

3. Name the livestock disease associated with deficiency of the following in the diet. (1 $\frac{1}{2}$ mks)

- a) Iodine.....
- b) Copper.....
- c) Manganese.....

4. Name **three** kinds of livestock which can be castrated using a rubber ring. (1 $\frac{1}{2}$ mks)

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

5. State **three** disadvantages of natural method of calf rearing. (1 $\frac{1}{2}$ mks)

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

6. Give **four** reasons why proper feeding of livestock is important. (2mks)

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

7. State **four** maintenance practices of a jack plane. (2mks)

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

8. State **four** control measures of cannibalism in poultry. (2mks)

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

9. State **four** advantages of a four stroke cycle engine. (2mks)

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

10. Give **four** disadvantages of inbreeding in livestock. (2mks)

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

11. State **four** practices that should be carried out on wooden fencing posts to make them last long. (2mks)

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

12. Give **four** physiological body functions used as indicators of ill-health in livestock. (2mks)

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

13. Name **three** dual purpose breeds of sheep. (1½ mks)

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

14. State **four** disadvantages of natural incubation. (2mks)

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

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

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

16. Outline **four** advantages of farm mechanization. (2mks)

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

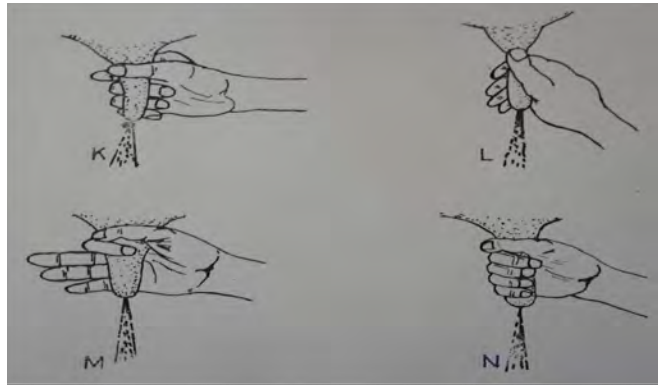
17. Give **two** factors that can lower the quality of concrete. (1mk)

.....
.....

SECTION B (20 MARKS)

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

18. The diagrams K, L, M and N below show four possible ways of drawing milk from the teat of a cow during milking.



a) Which diagram shows the proper way of drawing milk. (1mk)

.....

b) How long should it take to milk a cow from the start to the end of milking. (1mk)

.....

c) How would a milkman ensure that no milk remains in the udder at the end of milking? (1mk)

.....

d) Give **two** practices carried out on milk immediately after milking. (2mks)

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

19. Describe the procedure for castrating a male piglet using a surgical knife. (5mks)

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

20. The diagram below shows a livestock parasite.



a) Identify the parasite. (1mk)

.....

b) In which organ in livestock is the parasite found. (1mk)

.....

c) Name the intermediate host for the above parasite. (1mk)

.....

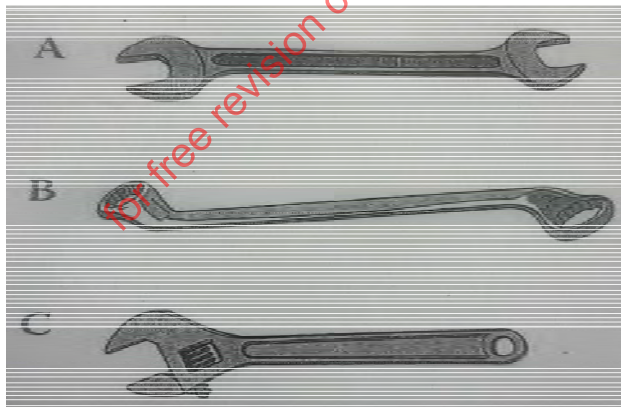
d) Outline **two** symptoms of attack in livestock by the above parasite. (2mks)

.....

.....

.....

21. Study the tools below and answer the questions that follow.



a) Identify the tools labelled A and C. (2mks)

A.....

B.....

b) Give **one** advantage of tool B over A. (1mk)

.....
.....

c) Give **one** advantage of tool C over tool A and B. (1mk)

.....
.....

d) State **two** maintenance practices of tool C. (2mks)

.....
.....

SECTION C (40 MARKS)

*Answer **Any two** questions from this section in the spaces provided after question 21.*

22. a) Describe short term tractor servicing practices. (10mks)

b) Explain **five** factors influencing milk composition in dairy animals. (10mks)

23. a) Give **six** reasons why embryo transfer use should be encouraged in dairy cattle breeding. (6mks)

b) Explain **ten** measures used to control livestock diseases. (10mks)

c) Outline **four** functions of water in livestock nutrition. (4mks)

24. a) Describe the causes of stress in poultry production. (7mks)

b) State **eight** uses of fences in farms. (8mks)

c) State **five** care and maintenance of a water cooling system of a tractor. (5mks)

