NAME	ADM.NO	••••
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443/2 **AGRICULTURE** PAPER 2 **TIME: 2 HOURS AUGUST-2022**



CEKENAS END OF TERM TWO EXAM-2022

FORM FOUR EXAM

Kenya Certificate of Secondary Education. (K.C.S.E) 443/2

AGRICULTURE PAPER 2

INSTRUCTIONS TO CANDIDATES

- Write your name and admission number in the spaces provided above Sign and write date of examination in the space provided. This paper consists of **three** sections **A**, **B** and **C**Answer **ALL** questions in section A and B and any **two** questions from section C
- 1. 2. 3. 4.

- Candidates must answer the questions in English.
 All answers should be written in the spaces provided.

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1-17	30	
В	18-21	20	
С		20	
		20	
TOTAL SCORE		90	

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SECTION A. (30MARKS)

1. State <u>four</u> methods of identification in livestock production.	(2mks)
•••••••••••••••••••••••••••••••••••••••	• • • •
	· • • • •
2. Explain the meaning of the following terms as used in livestock health.	
i) A notifiable disease.	(1mk)
ii) Prophylatics.	(1mk)
3. Give <u>two</u> reasons for including roughages in diet of non-ruminants.	(1mk)
	(2.1.)
4. State <u>four</u> equalities of a good grain store.	(2mks)
5 Cinc 6 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	(21)
5. Give <u>four</u> ways a farmer would adopt to improve production in indigenous cattle.	(2mks)

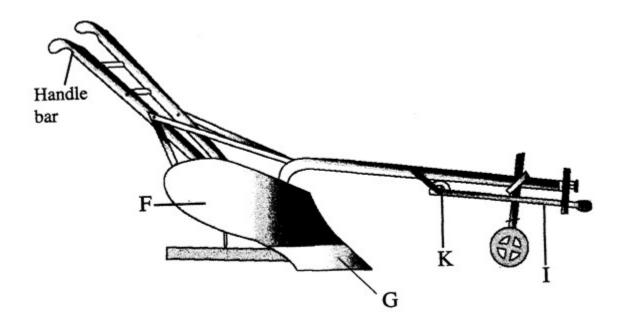
6. State <u>two</u> factors to consider when formulating livestock ration.	(2mks)
7. State three importance of farm buildings.	(1½mks)
8. State four symptoms of new castle disease in poultry.	(2mks)
9. What is creep feeding in pig production?	
10. State the use of each of the following tools and equipment. i) Routers	(2mks)
ii) Tinsnips	
iii) Wood rasp	
iv) Chipping hammer	

11. State <u>three</u> methods of treating timber for building construction.	(1½mks)
12. State two ways in which feed additives are important in animal nutrition.	(2mks)
13. State <u>four</u> predisposing factors for mastitis in dairy cattle.	(2mks)
14. Give <u>two</u> examples of a three host tick.	(1mk)
15. State four general uses of solar energy.	(2mks)
16. Name <u>two</u> causes of bloat in farm animals.	(2mks)
17. Name <u>two</u> light breeds of poultry.	(1mk)

SECTION B (20MARKS)

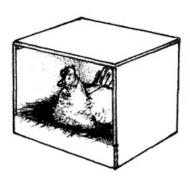
Answer ALL questions in this section

18. Study the diagram below of an ox-plough and use it to answer the questions that follow.



a) Give the functions of parts G and F

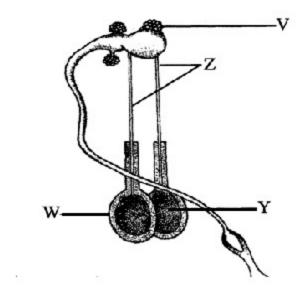
G	(1mark)
F	. (1mark)
b) Name the parts labelled K and I	
K	(1mark)
I	(1mark)
c) Mark on the diagram using letters M and N the two parts used to adjust the depth of ploughing.	(1mark)
19. The diagram below shows a hen sitting on eggs. Use it to answer the questions that follow.	



5

a) Name the method of incubation illustrated above.	(1mark)	
b) Give two signs that may show that the hen is ready to sit on the eggs.	(2marks)	
c) State <u>two</u> problems of using the above method to hatch chicks.	(2marks)	
20. S Q R R R R R R R R R R R R R R R R R R	2	
a) Give the identity of tools P and Q. P	(1mark)	
Q	(1mark)	
b) What is the role of part labelled S on diagram P.	(1mark)	
c) Name another tool used in conjunction with tool R.	(1mark)	

d) Give one maintenance practice for tool Q.	(1mark)
21. The diagram below shows the male reproductive system in cattle. Use it to answer the questions follow.	that



a) Name the parts labelled Z and W

Z	(1mark)
W	(1mark)
b) State the function of part labelled V and Y	
V	(1mark)
Y	(1mark)
c) How is part W adapted to its function?	(1mark)

22. a) Describe short term tractor servicing.	(8marks)
b) Explain the procedure of establishing a fish pond.	(5mks)
c) Outline preventive measures for livestock diseases.	(7mks)
23. a) Describe brucellosis under the following subheadings:	
i) Causal organism	(1mark)
ii) Transmission	(1mark)
iii) Symptoms	(4mks)
iv) Control measures	(4mks)
b) State the function of any five parts of a zero grazing unit in dairy farming.	(5mks)
c) Explain <u>five</u> factors that should be considered when choosing tools and equipment to	o use in the farm.
	(5mks)
24. a) Explain eight qualities of an ideal broader for a day old chick.	(8mks)
b) Describe <u>seven</u> factors that a farmer should consider when sitting a bee hive to prev	
b) Describe <u>seven</u> factors that a farmer should consider when sixing a occ hive to prev	_
	(7mks)
c) State <u>five</u> functions of water in nutrition.	(5mks)
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