

Name: Index No:

Candidate's Signature:

Date:

443/2
AGRICULTURE
PAPER 2
JULY/AUGUST 2014
TIME: 2 HOURS

HOMA-BAY SUB-COUNTY JOINT EVALUATION EXAM

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

443/2
Agriculture 2
Paper 2
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
- This paper consists of three section **A, B** and **C**
- Answer all questions in section **B** and **C**
- Answer any two questions in section **C**
- All the questions should be answered in the spaces provided

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1-19	30	
B	20-23	20	
C	24	20	
	25-26	20	
TOTAL		90	

This paper consists of 8 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A (30MARKS)

Answer all the questions in this section in the spaces provided

1. State **two** reasons why lubrication or greasing of farm machines is important (2mks)
.....
.....
2. State **three** practices which should be carried out when preparing a sow for farrowing (3mks)
.....
.....
.....
3. State **four** features of a good maize granary (2mks)
.....
.....
.....
.....
4. Give **two** advantages of artificial calf rearing (2mks)
.....
.....
5. Mention **two** advantages of embryo transplant (2mks)
.....
.....
6. List **four** materials used for the construction of a gabion (2mks)
.....
.....
.....
.....
7. State **two** reasons for washing the udder before milking (1mk)
.....
.....
8. Name **two** livestock diseases controlled through use of A.I (1mk)
.....
.....
9. Name **two** ways that show good feeding help to control livestock diseases (2mks)
.....
.....

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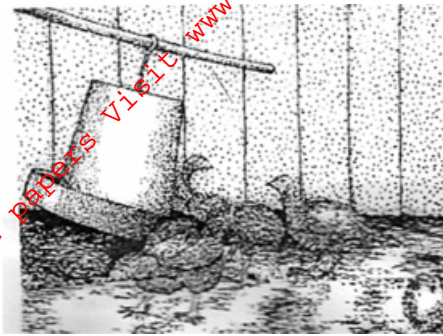
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10. State **four** categories of farm tools and equipment (2mks)
.....
.....
.....
.....
11. Give **two** main functions of the crop in the digestive system of poultry (1mk)
.....
.....
12. Name **two** species of camels (1mk)
.....
.....
13. Explain the term stocking rate as used in livestock production (1mk)
.....
14. Name **four** tick borne diseases (2mks)
.....
.....
.....
.....
15. Name **one** sheep breed which is resistant to foot rot disease (1mk)
.....
16. Name **two** diseases that affect female animals only (1mk)
.....
.....
17. What is dry cow therapy? (1mk)
.....
.....
18. Differentiate between pen mating and flock mating in poultry (1mk)
Pen mating
.....
Flock mating
.....
19. State **one** reason why hoof trimming is carried out in sheep (1mk)
.....
20. State any **two** signs of ill-health in livestock (1mk)
.....
.....

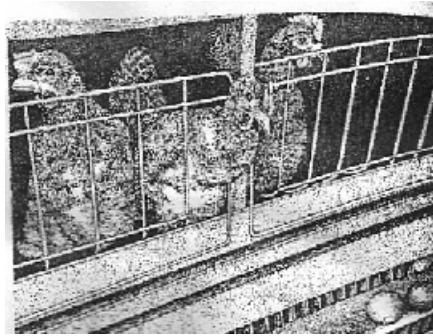
SECTION B (20 MARKS)

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

21. The photographs below show different systems of poultry rearing. Study them carefully and then answer the questions that follow:



A



B

- (a) Identify the systems represented by the photo A and B when rearing layers (1mk)

(i) Photo A:

.....

(ii) Photo B

.....

- (b) State **two** advantages system **B**, may have over system **A** when (2mks)

.....

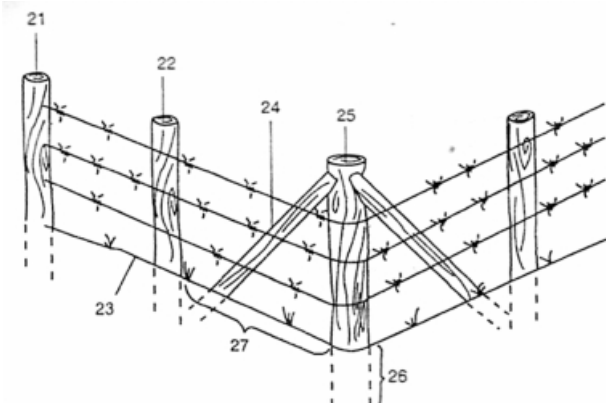
.....

- (c) State **two** limitations of system B in poultry rearing (2mks)

.....

.....

22. The diagram below shows the layout of a wire fence. Study it carefully and answer the questions that follow



- (a) Label 21-25 correctly (2 ½ mks)

21:

22:

23:

25:

(b) What is the recommended depth at 26; and recommended distance at 27 in metres? (1mk)

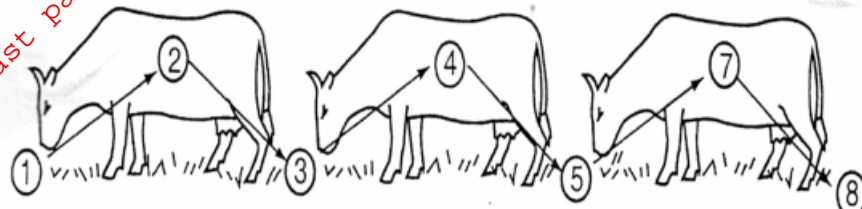
Depth at 26:.....

Distance at 27.....

(c) Mention two uses of 21 (2mks)

.....
.....

23. The illustrations below represents the stages of development of a three –host tick. Study it carefully and then answer the questions that follow:



(a) Briefly explain what is happening in the following stages (2mks)

1

.....

4

.....

5

.....

7

.....

(b) Why do you think that tick is difficult to control using acaricides? (½ mk)

.....

(c) Name the most common sites the tick can be found on the body of an animal. (2mks)

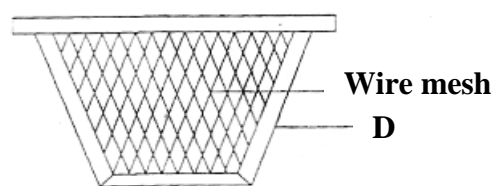
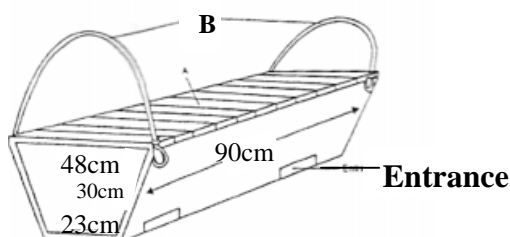
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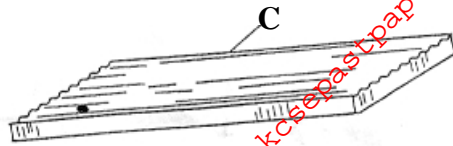
(d) Give **two** examples of a three host tick (1mk)

.....

.....

24. Below is an illustration of Kenya Top Bar hive. Study it carefully and answer the questions that follow.





(a) Name the parts labeled **A, B, C** and **D**

(2mks)

A.....

B.....

C.....

D.....

(b) State the functions of the parts labeled **A** and **D**

(1mk)

A.....

B.....

(c) Give **two** equipment used during the harvesting of money

(1mk)

.....

SECTION C

Answer any two questions in this section in the spaces provided

25. (a) Give the differences between a petrol and a diesel engine (10mks)

(b) Describe the daily maintenance of a tractor (10mks)

26. (a) What are disease predisposing factors? (2mks)

(b) State **five** disease predisposing factors in livestock (5mks)

(c) State **five** predisposing factors of mastitis in dairy cattle (5mks)

(d) Explain any **four** general methods of disease control in livestock (8mks)

27. Explain the following as used in livestock breeding

(i) Close breeding

(ii) Line breeding

(iii) Cross breeding

(iv) Out crossing

(10mks)

(b) Explain **ten** factors to be considered when selecting a breeding stock

(10mks)

.....

