

NAME: INDEX NO:

SCHOOL: DATE:

CANDIDATE'S SIGNATURE:

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

NANDI NORTH SUB-COUNTY JOINT EVALUATION 2014

Kenya Certificate of Secondary Education (K.C.S.E.)
AGRICULTURE
PAPER 2
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- (a) Write your **Name, School** and **Index number** in the spaces provided above.
- (b) **Sign** and write the **Date** of examination in the spaces provided above.
- (c) This paper consists of **THREE** sections **A, B** and **C**.
- (d) Answer **ALL** questions in Section **A** and **B**.
- (e) Answer any **TWO** questions in section **C**.
- (f) Answers should be written in the spaces provided.
- (g) This paper consists of 8 printed pages.
- (h) Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX. SCORE	CANDIDATE SCORE
A	1 – 16	30	
B	17 – 22	20	
C	23 - 25	20	
		20	
Total Score		90	

SECTION A (30 MARKS)

Answer ALL Questions in the Spaces Provided

1. State **two** importance of tooth clipping in piglets. (2mks)

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.....

2. State **two** factors that enable ruminants to break fibrous food material. (1mk)

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3. Name **four** components of a truss in a house. (2mks)

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4. State **two** ways in which each of the following requirements can be achieved in a calf pen. (4mks)

(a) Proper drainage:.....
.....

(b) Free from drought:.....
.....

5. State **two** functions of corner posts in barbed wire fences. (1mk)

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.....

6. Name **four** light breeds of poultry. (2mks)

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7. Outline **four** maintenance practices of a produce store. (2mks)

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8. List **four** ways of tick control in livestock farming. (2mks)

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9. State the class of each of the following foodstuffs. (2mks)

- (i) Molasses:.....
- (ii) Bone meal:.....
- (iii) Maize stalks:.....
- (iv) Lucerne:.....

10. Which equipment would you require when: (1½mks)

- (i) Testing for mastitis:.....
- (ii) Castrating male animals bloodlessly:.....
- (iii) When administering solid drugs to animals:.....

11. Give **four** functions of water in dairy cattle. (2mks)

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12. Differentiate between apiary and apiculture. (1mk)

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.....
.....

13. Name an intermediate host for each of the following internal parasites: (1½mks)

- (i) Liver fluke Fasciola hepatica:.....
- (ii) Tapeworm Taenia saginata:.....
- (iii) Tapeworm Taenia solium:.....

14. Mention **three** viral diseases in poultry. (1½mks)

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.....
.....

15. (a) Define the term parturition. (½mk)

.....
.....

(b) Give **two** problems associated with lambing. (1mk)

.....
.....

(c) Give the gestation period of the following livestock: (1mk)

- (i) Sow:.....

(ii) Ewe:.....

16. State the importance of the following features in Boran cattle: (3mks)

(i) Large hump:.....

(ii) Well developed dewlap:.....

(iii) A white thick hide:.....

17. Mention **four** reasons for treating timber before roofing farm buildings. (2mks)

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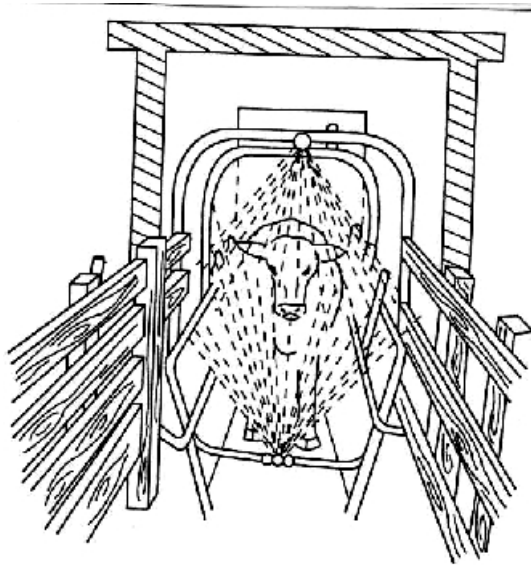
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SECTION B (20 MARKS)

Answer all questions in the spaces provided in this section

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



(a) (i) Identify the practice above. (1mk)

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(ii) Name **two** diseases controlled through the above named practice.(2mks)

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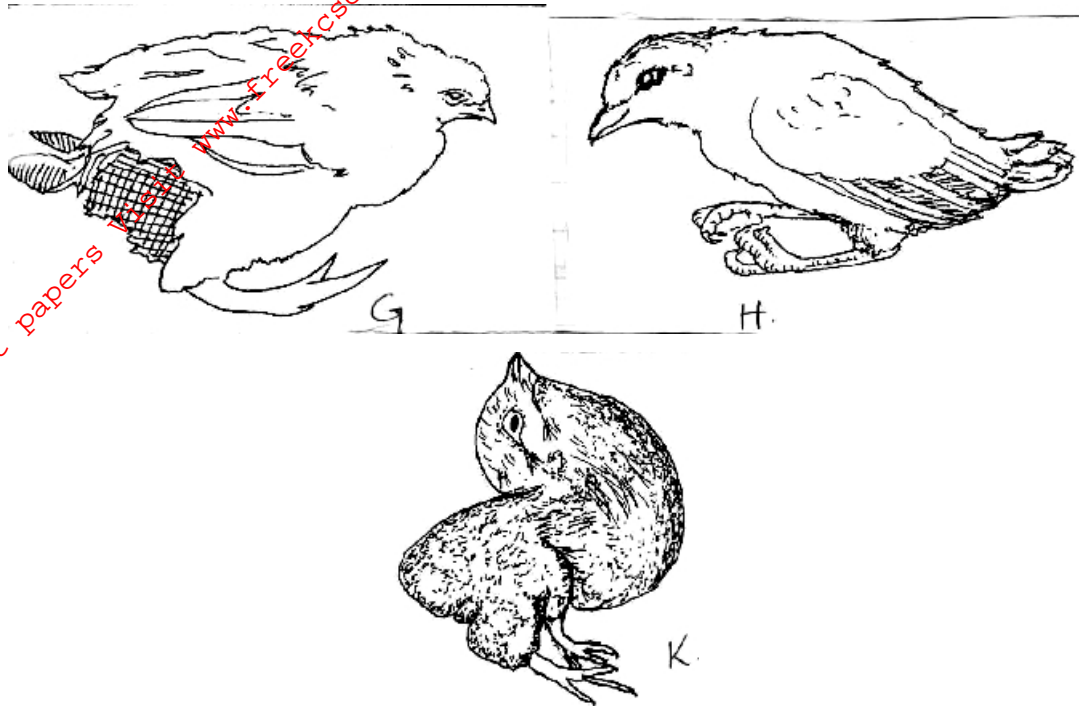
(b) State **four** advantages of using the above structure. (2mks)

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19. The diagrams below illustrate chicks suffering from some essential feed nutrients. Study the diagrams and answer the questions that follow.



(a) Name the deficient nutrients in G, H and K. (1½mks)

G.....
 H.....
 K.....

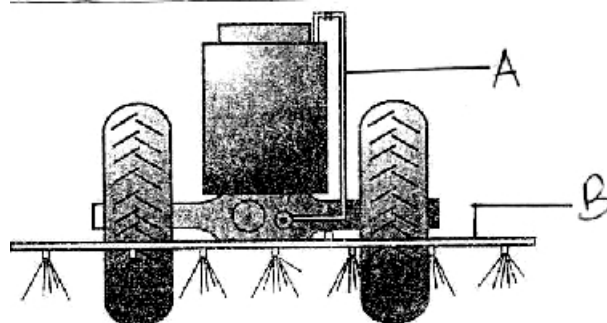
(b) State **three** desirable qualities of a livestock ration. (1½mks)

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(c) Outline **three** functions of feed additives. (1½mks)

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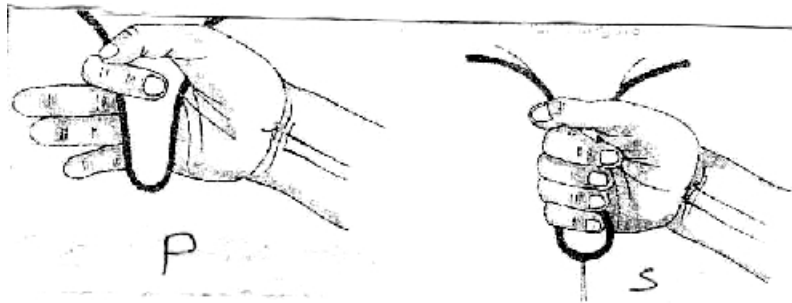
20. Diagram below illustrates a type of sprayer used in the farm.



- (a) Give the name of the above sprayer. (1mk)

- (b) Name the parts labelled A and B. (1mk)
 A.....
 B.....
- (c) State the function of mechanical agitator and nozzle. (2mks)
 Mechanical agitator:.....
 Nozzle:.....
- (d) State **two** maintenance practices of sprayers. (2mks)

21. Diagrams P and S illustrates an activity carried out by a dairy farmer. Study the diagrams carefully and answer the questions that follow.



- (a) Identify the activity. (1mk)

- (b) State **four** preparations done to the cow before the activity takes place. (2mks)

- (c) Outline **two** conditions that can hinder milk let-down in a cow. (1mk)

SECTION C
Answer any two questions in the spaces provided

22. (a) State **four** reasons for breeding cattle. (4mks)
- (b) Explain **four** routine management practices carried out during rearing of dairy calves. (8mks)

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