

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	
<b>Total Score</b>		<b>90</b>	

**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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.....  
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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:.....

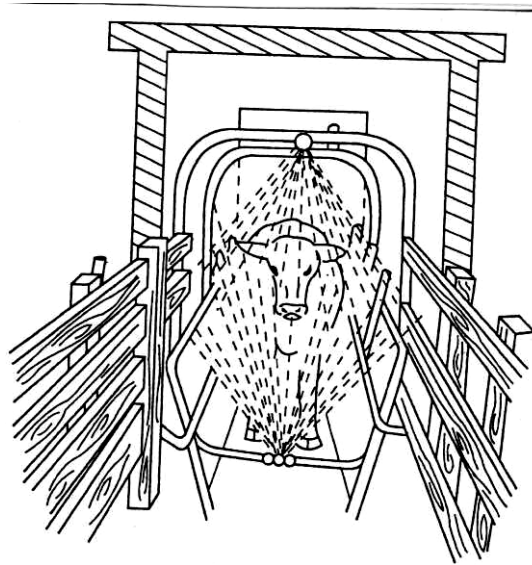
17. Mention **four** reasons for treating timber before roofing farm buildings. (2mks)

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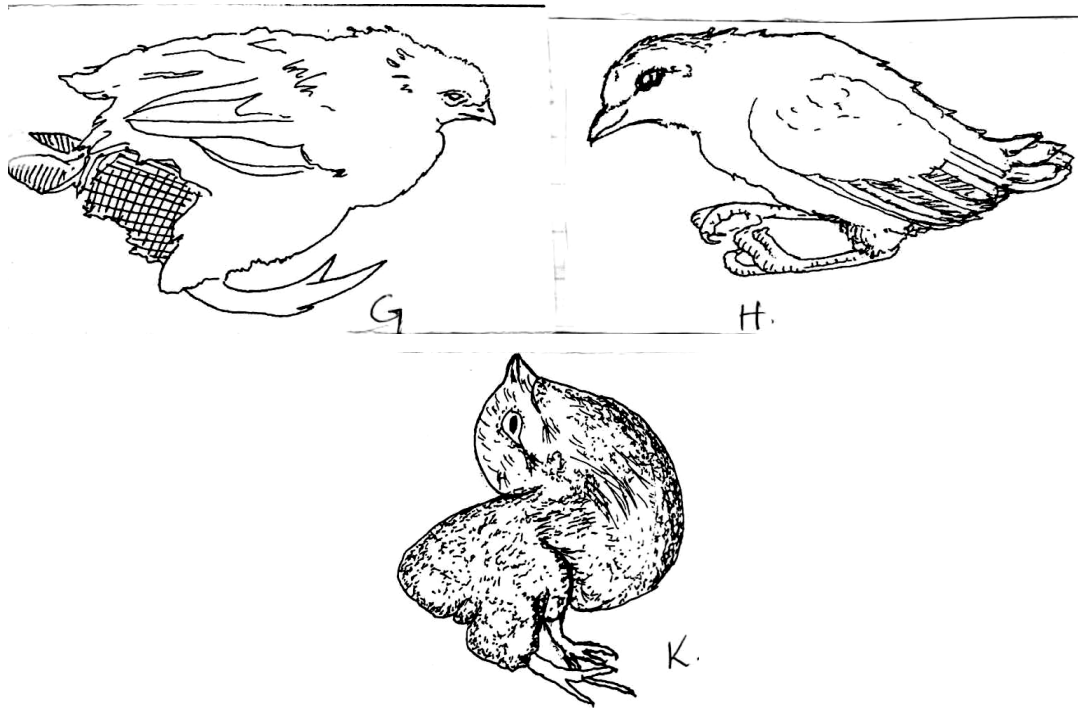
(ii) Name **two** diseases controlled through the above named practice.(2mks)

.....  
.....

(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.....

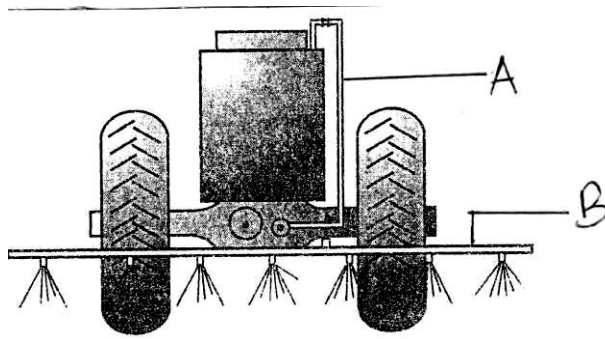
(b) State **three** desirable qualities of a livestock ration. (1½mks)

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 .....

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

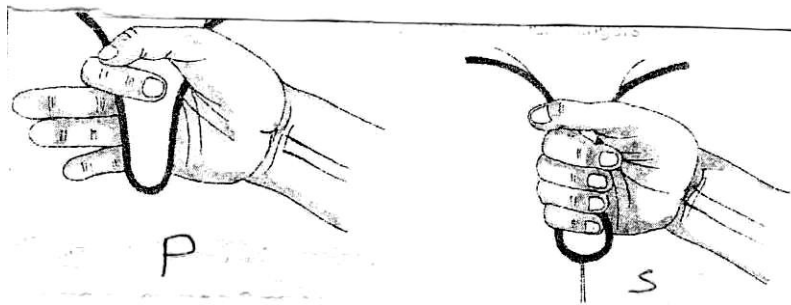
.....  
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20. Diagram below illustrates a type of sprayer used in the farm.



- (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)  
 .....  
 .....







**ANSWERS:**

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