

Name ..... Index no.....  
 School..... Candidates Signature.....  
 Date.....

443/2  
 AGRICULTURE (THEORY)  
 JULY/AUGUST 2012  
 PAPER 2  
 TIME:2 HOURS

**KISUMU NORTH AND EAST DISTRICTS JOINT TEST**  
***Kenya Certificate of Secondary Education 2012***

443/2  
 AGRICULTURE  
 JULY/ AUGUST

**INSTRUCTIONS**

- ❖ Write your name and index No. on the spaces given above
- ❖ This paper has three sections **A, B& C.**
- ❖ Answer **ALL** questions in section **A & B**
- ❖ Answer any **TWO** questions in section **C** in the spaces provided

**FOR EXAMINER’S USE ONLY**

SECTION	QUESTION	MAX. SCORE	CANDIDATE’S SCORE
A	1 -19	30	
B	20 -23	20	
C	24	20	
	25	20	
	26	20	
	<b>TOTAL SCORE</b>	90	

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

**SECTION A (30 Marks)**

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

1. Name the hormone that is concerned with milk synthesis. (1mk)

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2. State **three** factors that make a lactating cow to withhold milk during milking. (1 ½mk)

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3. Distinguish between crutching and ringing on sheep production. (1mk)

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4. State **four** reasons why goats are suitably adapted to marginal areas. (2mks)

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5. Name **two** methods used in identifying goats. (2mks)

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6. State **four** factors that determine the daily feed requirements of an animal. (2mk)

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7. (a) Name a tool used for removal of gases which cause bloat in ruminant animals. (1mk)

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(b) State the use of a ring spanner. (1mk)

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8. Outline **four** reasons for steaming up a gestating cow. (2mks)

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9. Give **two** distinctive features between large white pig and land race. (2mks)

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10. What are the secondary hosts of the following livestock parasite?

(i) Taenia solium \_\_\_\_\_ ( ½ mk)

(ii) Liver fluke \_\_\_\_\_ ( ½ mk)

11. State **two** guns used in agriculture. (1mk)

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12. Give **three** factors a farmer should consider when selecting garden tools for cultivation ( 1½ mk)

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13. State any **four** causes of stress in a flock of lay. (2mks)

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14. Give **four** conditions under which a farmer would use an ox-plough instead of a tractor power for seed bed preparation. (2mks)

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15. Give **three** functions of worker bees in the hive. (1½mk)

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16. Name **two** species of trees used in agro-forestry that can be utilized as livestock feed. (2mk)

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17. A part from bush clearing and spraying list other **two** methods used in controlling tsetse flies. (1mk)

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18. Give **four** advantages of creep feeding of beef calves. (2mks)

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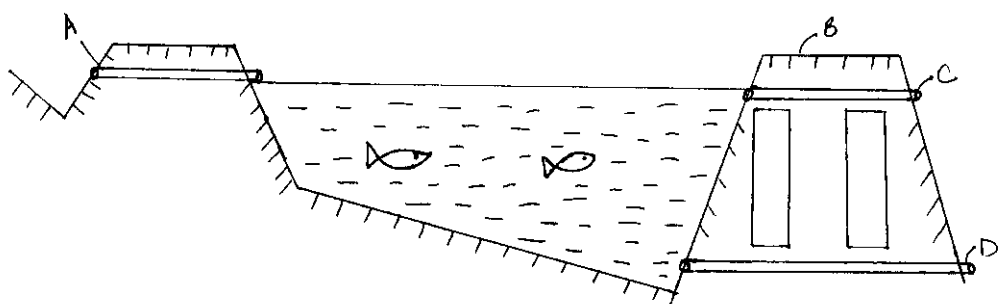
19. State **one** function of each of the following parts in chickens' digestive system. (1 ½mks)

- (i) Crop \_\_\_\_\_
- (ii) Proventriculus \_\_\_\_\_
- (iii) Gizzard \_\_\_\_\_

**SECTION B 20 MARKS**

**Answer ALL questions**

20. Below is a diagram of a cross section of a fish pond



(a) Identify the parts labeled A, B, C, and D. (2mks)

A.....

B.....

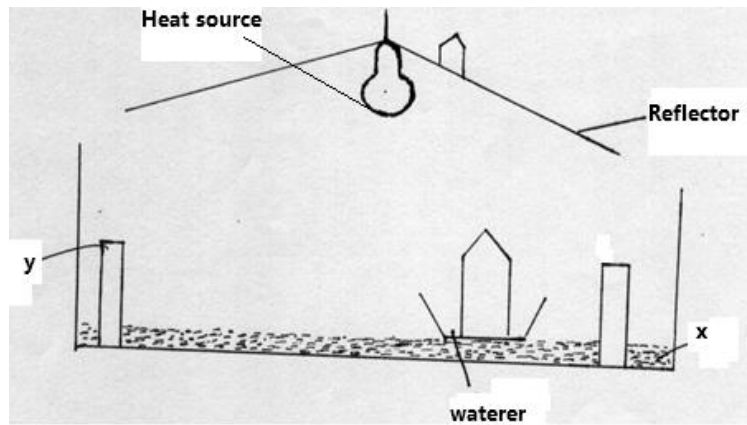
C.....

D.....

b) State **three** maintenance practices carried out on the structure after draining. (3mks)

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21. The diagram below represents a section through which an artificial brooder.



a) Give **two** uses of the part labeled X. (1mk)

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b) Name **two** suitable materials to use for part labeled X. (1mk)

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c) Give the use of the part labeled Y. (1mk)

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d) List **two** advantages of natural brooding of chicks. (2mks)

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22. Outline the procedure that should be followed in spraying animals to ensure effective coverage of the chemical. (5mks)

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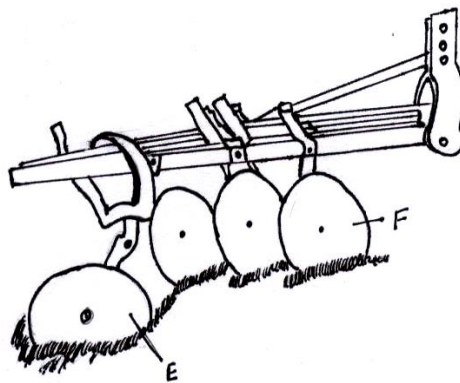
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23. The diagram below represents an implement



i) Identify the implement. (1mk)

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ii) Name the parts labeled E and F and give one function of each. (2mks)

part	Function
E.....	.....
F.....	.....

(iii) State **four** maintenance practices carried out on the implement shown in the diagram. (2mks)

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