

Name..... Index No. ....

School ..... Candidate's Signature.....

Date.....

443/2  
AGRICULTURE  
Paper 2  
July/ August 2010  
Time: 2 Hours

**BUNGOMA JOINT EVALUATION TEST - 2010**  
**Kenya Certificate of Secondary Education (K.C.S.E)**

443/2  
AGRICULTURE  
Paper 2  
July/ August 2010  
Time: 2 Hours

**INSTRUCTIONS TO CANDIDATES**

- Write your name and index no in the spaces provided above
- This paper consists of **THREE** sections **A, B** and **C**.
- Answer **ALL** the questions in section **A and B** and **Two** questions in section **C** in the spaces provided

*For Examiner's use only.*

SECTION	QUESTION	MAXIMUM MARKS	CANDIDATES SCORE
A	1-19	30	
B	20-21	20	
C	22-24	20	
		20	
	<b>TOTAL</b>	<b>90</b>	

*This paper consists of 12 printed pages.  
Candidates should check the question paper to ensure that all pages are printed as indicated  
and no questions are missing*

**SECTION A (30 MARKS.)**

*Answer all questions*

1. Define the following terms in Agroforestry (1mk)
  - (a) Pollarding.....  
.....
  - (b) Coppicing.....  
.....
2. Name any two plumbing tools (1mk)  
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.....
3. Name two methods used in caponization (1mk)  
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.....
4. Write down any two practices you must do incase a calf is not breathing well immediately after calving (1mk)  
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.....
5. Give the reasons for carrying out the following practices in sheep (1mk)
  - (i) Crutching.....  
.....
  - (ii) Raddling.....  
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6. In records it shows that a rabbit was served on 27<sup>th</sup> September 2007. What date did it give birth (½ mk)  
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7. Name the two hormones that control milk left down in dairy cow (1mk)  
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.....
8. Name two breeds of sheep kept for dual purpose (wool & meat production) (1mk)  
.....  
.....
9. Mention two practices carried out to a sow during the last 10 days of gestation period in pig management (1mk)  
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.....
10. Give two reasons for feeding bees (1mk)

- .....
- .....
11. State three reasons for treating timber used for fencing (1½mks)
- .....
- .....
12. Outline four qualities of a good creep feed (2mks)
- .....
- .....
- .....
- .....
13. Differentiate between epistasis and heterosis as used in livestock breeding (1mk)
- .....
- .....
14. (a) What is cropping in fish farming (½mk)
- .....
- .....
- (b) What is the importance of the following requirements in fish farming
- (i) Gentle slope ½mk
- .....
- (ii) Clay soil (½mk)
- .....
15. Name the four units of the transmission system of a tractor (2mks)
- .....
- .....
- .....
- .....
16. Explain the meaning of the following terms (2mks)
- (a) Starch equivalent (S.E)
- .....
- .....
- (b) Crude fibre (C.F)
- .....
- .....
- .....
17. Outline three effects of parasites on the host animals (1½mks)

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.....  
.....

18. Give two functions of each of the following parts of the reproductive system in poultry

(a) Isthmus (1mk)

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.....

(b) Uterus (1mk)

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.....

(c) Magnum (1mk)

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19. (a) Name any two tick borne diseases (1mk)

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(b) List any two predisposing factors of mastitis disease in cattle (1mk)

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(c) State four measures that should be taken to prevent the outbreak of brucellosis in cattle (2mks)

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(d) State four ways of controlling milk fever in lactating cattle (2mks)

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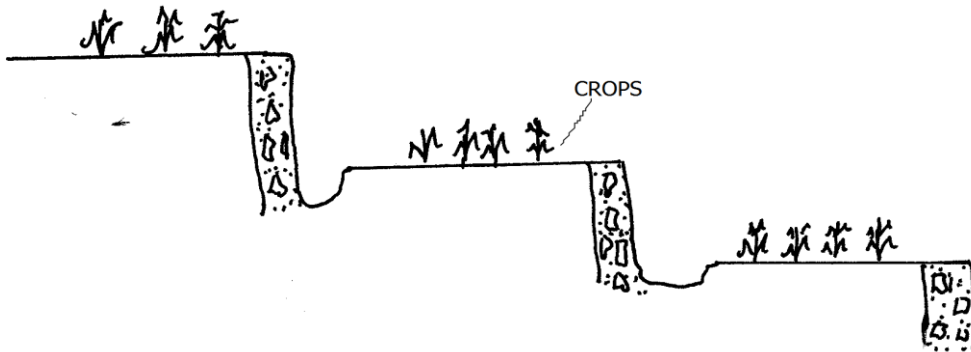
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## SECTION B (20 marks)

*Answer all the questions*

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



(i) Identify the method of soil erosion control method illustrated by the diagram above. (1mk)

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(ii) Describe the procedure used to construct the structure in (i) above (6mks)

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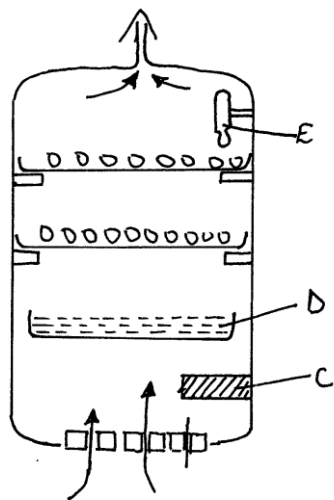
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21. The illustration below represents an equipment used in poultry production. Study it carefully and answer the questions that follow



- (a) Identify the equipment (1mk)  
 .....  
 .....
- (b) Name parts C, D and E (3mks)  
 C .....  
 D .....  
 E .....
- (c) What is the function of the parts labeled C, D, E (3mks)  
 C:-.....  
 D:-.....  
 E:-.....
- (d) Why is it important to turn the eggs around 180<sup>0</sup> every 6 -8 hours (1mk)  
 .....  
 .....
- (e) Outline the good storage qualities of eggs to be used for incubation (4mks)  
 .....  
 .....  
 .....  
 .....
- (f) What characteristic indicates that eggs are fertile and suitable for incubation (1mk)  
 .....  
 .....

**SECTION C (40mks)**

*Answer any two questions*

22. (a) Explain the factors that will determine the choice of any of the rearing systems in poultry (7mks)  
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(b) Describe the factors that should be considered when sitting a cattle plunge dip (6mks)

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(c) Explain the maintenance practices carried out on a cattle plunge dip (4mks)

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