

NAME: ..... INDEX NO: .....

SCHOOL: ..... DATE: .....

CANDIDATE'S SIGNATURE: .....

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

**KISUMU WEST SUB-COUNTY JOINT EVALUATION-2014**  
*Kenya Certificate of Secondary Education (K.C.S.E)*

AGRICULTURE  
PAPER 2

**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 above.
- This paper consists of three section **A, B** and **C**
- Answer **all** the questions in section **A** and **B**
- Answer any **two** questions in section **C**.
- Answers should be written in the spaces provided in this booklet.

**FOR EXAMINERS USE ONLY**

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1-16	30	
B	17-19	20	
C		20	
		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 (30 MARKS)**

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

1. Name the intermediate host of the following parasites (1mk)
- (i) Tape worm: .....
  - (ii) Liver fluke .....
2. Give **two** methods for selecting animals for breeding. (1mk)
- .....
- .....
3. State the length of gestation period in the following animals: (1mk)
- (i) Sow.....
  - (ii) Rabbits:.....
4. State **two** practices that may be carried out to control breeding diseases among cattle. (2mks)
- .....
- .....
5. Why is not recommended to use saw dust in an incubator. (1mk)
- .....
- .....
6. Give the functional difference between a mason's trowel and garden trowel. (1mk)
- .....
- .....
7. State **one** maintenance practice that a farmer needs to carry out on each of the following parts of a tractor (2mks)
- (i) Tyre: .....
  - (ii) Spark plug .....
8. Give **four** reasons for seasoning timber before use (2mks)
- .....
- .....
- .....
- .....
9. (a) Name the specific feed classes for the following feedstuffs (1mk)
- (i) Fish meal: .....
  - (ii) Banana Stems: .....

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10. List **four** beef cattle breeds: (2mks)

.....  
.....

11. State **four** reasons for feeding bees. (2mks)

.....  
.....  
.....

12. Name **six** qualities of eggs for incubation (3mks)

.....  
.....  
.....  
.....  
.....

13. Name **four** livestock diseases that are caused by bacteria (2mks)

.....  
.....  
.....

14. Outline **three** reasons why calves should be fed on colostrum (3mks)

.....  
.....  
.....

15. Name the **four** strokes in a four stroke cycle engine in their correct order (2mks)

.....  
.....  
.....

16. Give the functions of the following parts of the mould board plough: (4mks)

(a) Share :

.....

(b) Mouldboard:

.....

(c) Landside :

.....

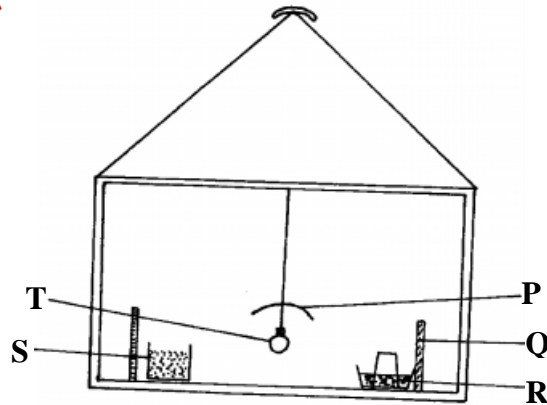
(d) Disc coupler

.....

**SECTION B (20 MARKS)**

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

17. Below is a diagram showing a cross-section of a brooder for chicks. Use it to answer the questions that follow.



(a) Identify the parts labelled P, Q, R, S and T. (2½mks)

- P .....
- Q .....
- R .....
- S .....
- T .....

(b) What is the purpose of the part labelled Q? (1mk)

.....

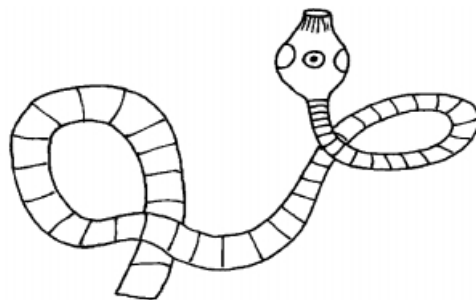
(c) State **two** ways by which temperature in the brooder may be raised. (2mks)

.....  
.....

(d) Name any material that would be suitable for use as litter in this brooder (½mks)

.....

18. The diagram below shows a livestock parasite.



(a) Identify the parasite (1mk)

.....

(b) In which organ in livestock is the parasite found? (1mk)

.....  
.....

(c) Name **one** intermediate host of the parasite (1mk)

.....  
.....

(d) Outline **four** symptoms of attack in livestock by the above parasite. (4mks)

.....  
.....  
.....

(e) State **two** methods by which the parasite can be controlled. (1mk)

.....  
.....

19. (a) State **three** factors that should be considered when siting a farm building (3mks)

.....  
.....  
.....

(b) Give **two** maintenance practices of a trailer. (2mks)

.....  
.....

(c) List **two** sources of farm power (1mk)

.....  
.....

### **SECTION C (40 MARKS)**

*Answer any two questions in this section in the spaces provided at the end of the section*

20. Describe the rearing of one day old chicks from the day they arrive on the farm to the point of laying. (20mks)

21. (a) Discuss Brucellosis under the following sub topics

(i) Casual organism (in cattle) (1mk)

(ii) Symptoms (4mks)

(iii) Control (5mks)

(b) Explain the importance of keeping livestock healthy (10mks)

22. (a) Explain **ten** factors considered when selecting livestock for breeding: (10mks)

(b) Describe **ten** management practices carried out on cattle during parturition. (10mks)

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