

Name: Index No:

Candidate's signature.....

Date.....

Muungano KCSE Trial Exam

443/2
AGRICULTURE
PAPER 2
July 2017
2 Hours

INSTRUCTIONS TO CANDIDATES

Write your name and index in the spaces provided.

This paper consists of **THREE** sections **A**, **B** and **C**.Answer all the questions in sections **A** and **B** and **ANY TWO** questions in sections **C**.

Answers should be written in the spaces provided.

For Examiner's Use Only

Section	Question	Maximum Score	Candidates Score
A	1 – 19	30	
B	20 - 23	20	
C	24 - 26	20	
		20	
Total Score		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***Turn Over**

SECTION A (30marks)

Answer ALL questions from this section.

1. **Define** the word breech of birth as used in livestock production (1mk)

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2. **Study** the table below and **fill in** the missing words (3mks)

<i>Description</i>	<i>Cattle</i>	<i>Pigs</i>	<i>Poultry</i>
Young from birth/ hatching to weaning			Chick
Young female before first parturition		Gilt	
Mature male for breeding	Bull		

3. **Outline** the importance of feed additives. (1mk)

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4. **List four implements** used to carry out secondary cultivation. (2mks)

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5. **Give two reasons** why walls of dairy shed should be white washed instead of painting with oil paints. (1mk)

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6. **State two uses** of wind power on the farm. (2mks)

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7. **Name the two hormones** that control milk left down in dairy cow (1mk)

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8. **Name any two parts** of a marking gauge. (2mks)

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9. *Give two uses* of litter in a poultry house (2mks)

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10. *List four* post milking practices (2mks)

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11. *Name two diseases* that affect female animals only (1mk)

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.....

12. *State four maintenance* practices carried out on a tractor battery (2mks)

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13. *State four factors* that would contribute to depreciation of farm equipment (2mks)

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.....

14. *State the measures* that prevent egg eating in poultry. (2mks)

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.....
.....

15. *Name two livestock diseases* controlled by the same vaccine and *name* the vaccine. (1½mks)

Disease (i)

(ii)

Vaccine



16. **State three** maintenance practices carried out on a milking machine (1½mks)

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.....
.....

17. Apart from high butter fat **which other good qualities** is jersey breed having over other exotic dairy breeds. (1mk)

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18. **State two functions** of a coulter on a mould board plough. (1mk)

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.....

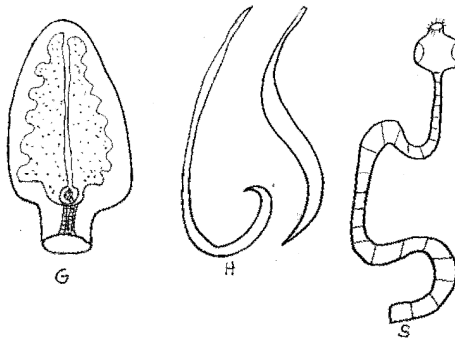
19. **Name two** dual purpose breeds of cattle (1mk)

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.....

SECTION B: (20 MARKS)

Answers all questions in this section in the spaces provided.

20. The diagrams labeled **G, H,** and **S** below illustrates three livestock parasites. Study them and answer the questions that follow:



a) **Identify** the parasites: (1½mks)

G)

H)

S)

b) **State** the category to which the three parasites **G, H,** and **S** belong to (1mk)

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c) **Name** the parts of organs of the host body where parasites **G** and **S** are found respectively. (1mk)

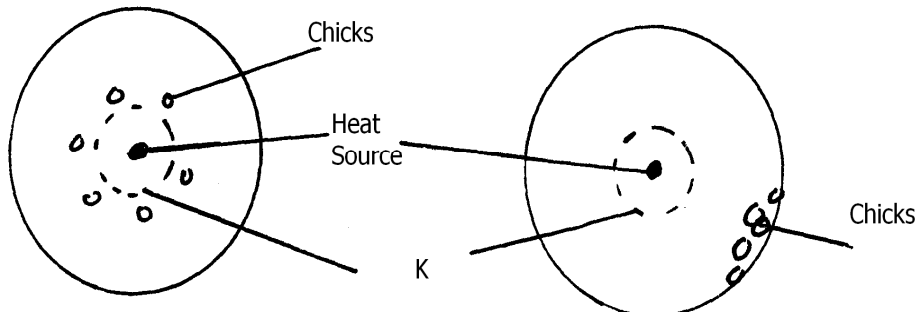
G

S.....

d) **State any three** control measures of the parasite **G** (1½mk)

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21. Study the following diagram showing the behaviour of chicks with temperature variations in a brooder.



a) **Identify** part **K**. (1mk)

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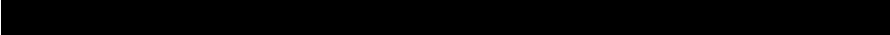
b) **Describe** the behaviour of chicks in: (2mks)

i) **X**

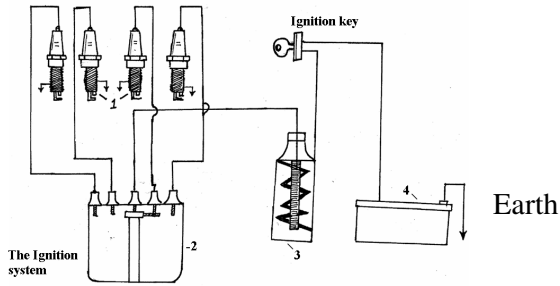
ii) **W**

22. (a) A farmer wanted to prepare a 200kg of calf rearing ration containing 20% DCP. Using the Pearson's square method, **calculate** the amount of maize containing 10% SCP and Sunflower containing 35% DCP that the farmer would need to prepare the ration (*show your working*) (4mks)

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23. The illustration below shows the major parts of a tractor ignition system. **Study** it carefully and **answer** the questions that follow.



- a) **Name** the parts of the illustration labeled. (2mks)
- 1.....
- 2.....
- 3.....
- 4.....

- b) **What** are the functions of the parts of the system labeled 1, 2, and 3? (3mks)
- 1.....
- 2.....
- 3.....

- c) **State the maintenance** practices that should be carried out on the ignition system of a tractor. (3mks)
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SECTION C (40 MARKS)

Answer any two questions in this section in the spaces provided after question 26

24. a) **State and explain five** factors that influence the siting of farm structures (10mks)
- b) **Outline five advantages** of fences in a farm (5mks)
- c) **Outline five methods** of reinforcing fences to make them stronger (5mks)
25. (a) **Describe** the different parts of cattle dip giving function of each. (12mks)
- (b) **Give three differences** between a petrol engine and diesel engine. (3mks)
- (c) **State three main practices** necessary for a tractor battery. (3mks)
- (d) **Give two methods** through which the tractor drawn implements are attached. (2mks)
26. a) **Describe the management** practices that should be carried for a sow and piglets during the farrowing period. (12mks)
- b) **Explain reasons why** a breeding boar may be culled. (8mks)



