

Name _____ Index No. _____

Candidate's signature _____

Date _____

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

MWALA DISTRICT FORM IV JOINT EXAMINATION 2014
Kenya Certificate of Secondary Education
AGRICULTURE
PAPER 2
2 HOURS

INSTRUCTIONS TO CANDIDATES

- This paper consists of **THREE** sections **A**, **B** and **C**
- Answer **ALL** questions in section **A** and **B** and **any TWO** questions in section **C**

For examiner's use only

Section	Questions	Maximum score	Candidates score
A	1 – 19	30	
B	20 - 22	20	
C		20 20	
Total score		90	

This paper consists of 11 printed pages

Turn Over

SECTION A (30 MARKS)

Answer all the questions on the spaces provided

1. What is raddling as used in livestock practices. (1mk)

2. State three control measures of Tsetse flies. (1 ½ mks)

3. State the cause of grass staggers in cows (½ mk)

4. Name four management practices which should be carried out during mating in sheep (2mks)

5. Name three functions of a lubricating system (1 ½ mks)

6. Name three functions of a hydraulic system of a tractor (1 ½ mks)

7. State four mechanical methods of tick control (2mks)

8. State three causes of high mortality of day old chicks in a brooder (1 ½ mks)

9. What is dry cow therapy? (1mk)

10. Name two types of grass mowers commonly used in Kenya (1mk)

11. Name three main parts of a roof truss (1 ½ mks)

12. List three plumbing tools (1 ½ mks)

13. Name four reasons why an animal may be culled (2mks)

14. Outline four factors that would accelerate depreciation of machinery within the farm (3 mks)

15. State four factors that would affect the quality of concrete (2mks)

16. State four management practices that ensure maximum harvest of fish from a fish pond. (2mks)

17. Give four products of microbial digestion in the rumen of cattle (2mks)

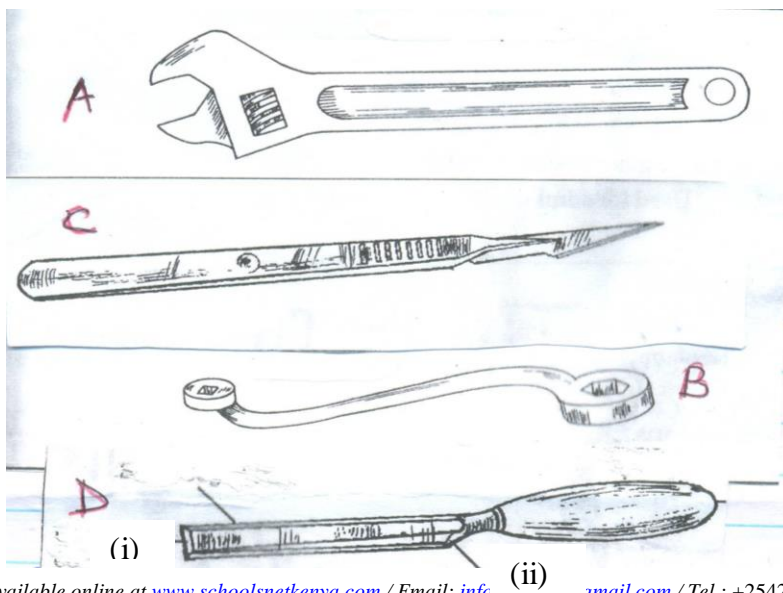
18. Outline four factors that determine the nutritional requirement of an animal (2mks)

19. Name three channels through which Kenyan beef farmers can market their livestock (1 ½ mks)

SECTION B (20 MARKS)

Answer all questions in this section

20. Drawn below are some tools used in the farm. Observe them carefully, then answer the following questions.



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

A _____

B _____

C _____

D _____

(b) Give the advantages of tool A has over tool B (1mk)

(c) State two uses of tool D (1mk)

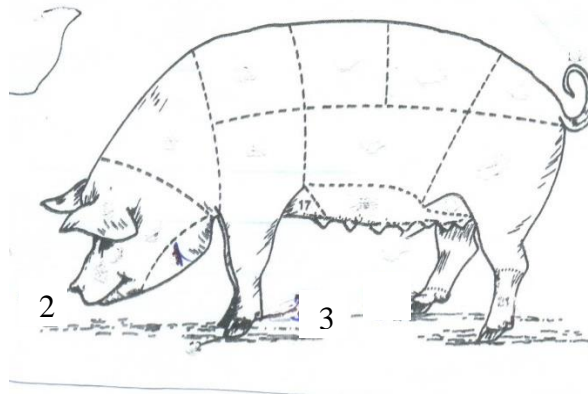
(d) For tool D, name the parts labeled as (i) and (ii) (1mk)

(i) _____

(ii) _____

(e) State four maintenance practices of tool D (2mks)

21. Observe the diagram drawn for a pig. Study it carefully



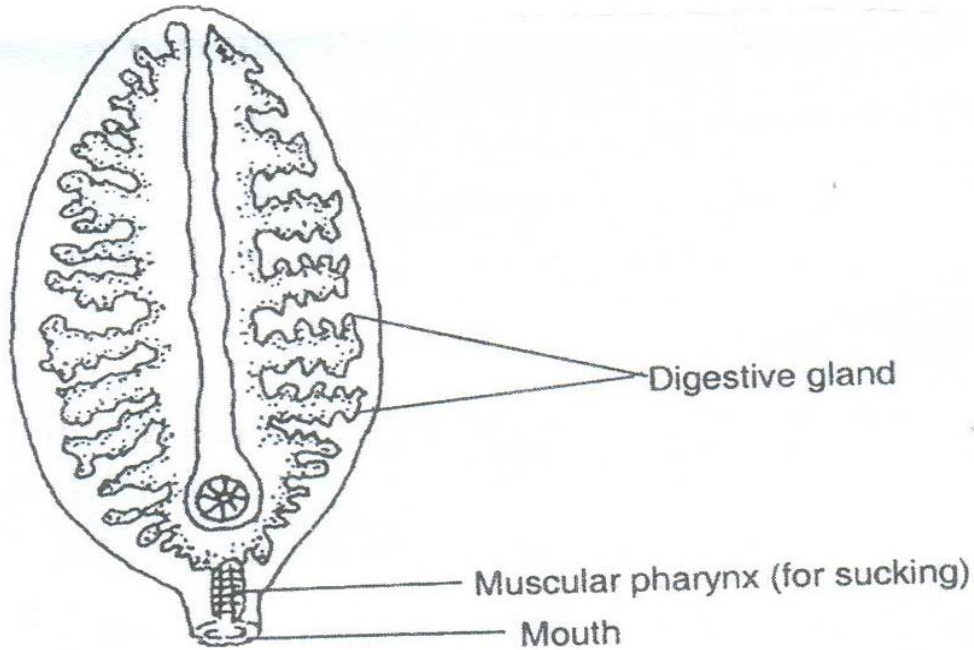
(a) Identify the parts labeled as 1, 2 and 3 on the diagram (3mks)

- 1 _____
- 2 _____
- 3 _____

(b) Name two types of pigs (1mk)

(c) Name four pig breeds that are reared (2mks)

22. Use the diagram drawn to answer the questions that follow



(a) Name the parasite that diagram represents (1mk)

(b) State the intermediate host of the parasite named (a) above (1mk)

(c) Name the stages in which the parasite undergoes before it matures (3mks)

(d) Write two measures that can be used to control the parasites (2mks)

SECTION C (40 MARKS)

Answer any two questions in this section

23. (a) Describe deep litter system used in rearing of poultry (10mks)
(b) Describe the life cycle of two-host tick (5mks)
(c) Describe factors that are considered when siting a fish pond (5mks)
24. (a) Describe the lubrication systems used in tractors (10mks)
(b) Describe the stocking of the beehive using a catcher box method (10mks)
25. (a) Discuss mastitis under the following sub-heads
(i) Causal agent (1mk)
(ii) Predisposing factors (4mks)
(iii) Symptoms (4mks)
(iv) Control of mastitis (5mks)
(b) State six factors to consider in selecting construction materials (6mks)

ANSWERS:

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