

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

SCHOOL ..... DATE .....

CANDIDATE'S SIGNATURE .....

443/2

AGRICULTURE.

PAPER 2

FORM 4

JULY 2017

TIME: 2 HOURS

Kenya Certificate of Secondary Education

MURANG'A COUNTY MOCK

## END OF TERM II EXAMINATION QUESTIONS

### INSTRUCTIONS:-

- 1) Answer all questions in section **A** and **B** in the spaces provided.
- 2) Answer any 2 questions in section **C**.

**SECTION A (30 MARKS)**

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

1. Name the part of the poultry digestive system in which cellulose is digested. (1mk)

2. State three factors that would determine the amount of concentrate fed to dairy cattle.

(1 ½ mks)

3. Give two harmful effects of keds in sheep.(1mk)

4. Name four structures which would assist in the control of livestock parasites on a farm. (2mks)

5. Name the disease transmitted by tsetse fly in cattle. (1mk)

6. State two maintenance parasites carried out on a green house structure. (1mks)

7. Define the following terms as used in livestock breeding:-

(a) Mothering ability. (1mk)

(b) Prolifically. (1mk)

8. State two reasons that could lead to failure of a cow to conceive after service. (1mk)

9. Give three benefits of dehorning. (1 ½ mks)

10. State four benefits of aquaculture in Kenya. (2mks)

11. State four factors that influence milk composition. (2mks)

12. State four advantages of fold system of rearing poultry. (2mks)

13. Give four limitations of using solar power on the farm. (2mks)

14. State the function of each of the following tools:-

(a) Chaff cutter (1mk)

(b) Tinsman snip (1mk)

15. Give the appropriate term that refers to each of the following.

(a) Mature male goat. (1mk)

(b) Young one of a rabbit. (1mk)

(c) Mature castrated male cattle. (1mk)

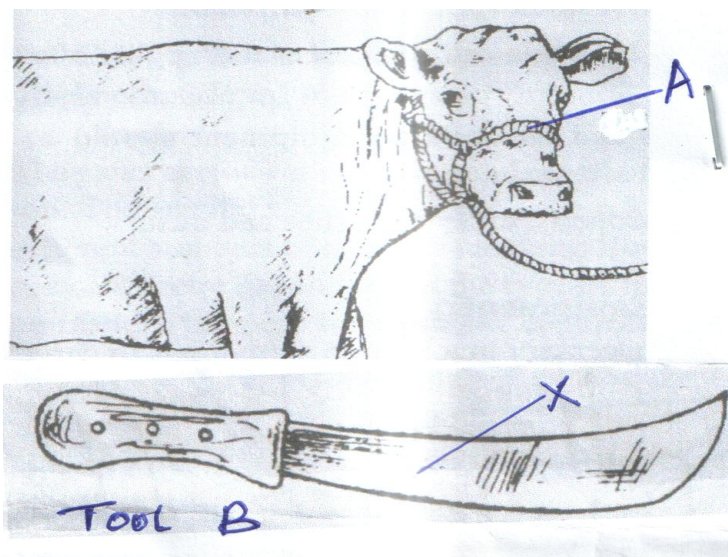
16. Give four reasons for proper maintenance of a harrow. (2mks)

17. State four conditions that would encourage hens to eat eggs in poultry production. (2mks).

**SECTION B(20 MARKS)**

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

18. The diagram below shows a livestock production equipment labeled A and a garden tool labeled B. Study and answer the questions that follow.

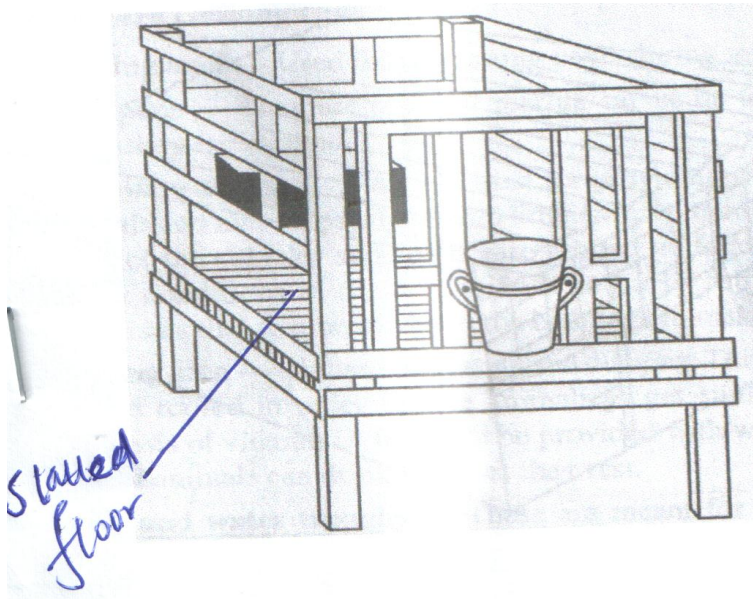


(a) State the function of the equipment labeled A. (1mk)

(b) Name two other equipments used to carry out the function stated in (a) above. (2mks)

(c) Explain two maintenance practices done on the part labeled X in tool B. (2mks)

19. Below is a diagram of a farm structure. Study it and answer the questions that follow.



(a) Identify the farm structure. (1mk)

(b) State two benefits of the type of floor in the structure illustrated above. (2mks)

(c) Give two factors considered when sitting the structure. (2mks)

20. In the preparation of feed, a sow with piglets is to be fed with 2.5kg of sow and weaner meal and an extra 0.25kg per piglet per day. The sow has 10 piglets.

(a) (i) Calculate the total amount of the feed the sow is given in a day. (2mks)

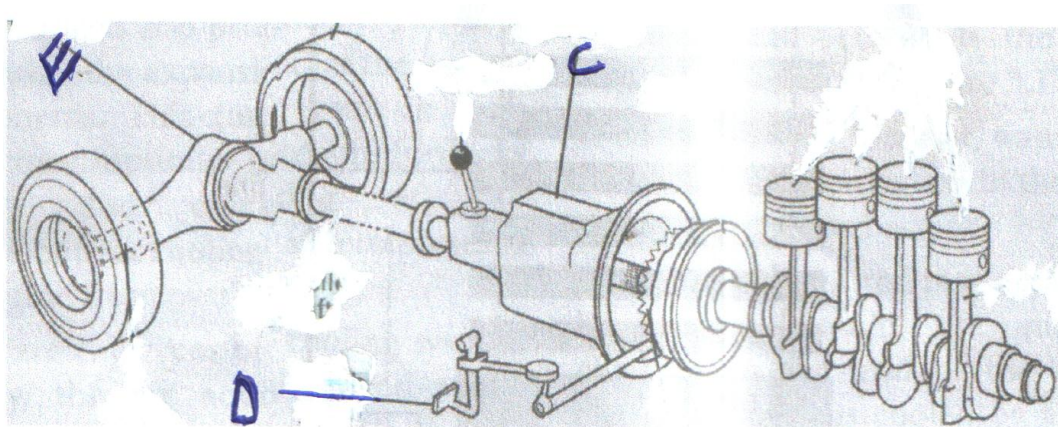
(ii) Name the type of ration that the 0.25kg of the feed per piglet per day represents. (1mk)

(b) Explain how the following factors influence digestibility.

(i) Form in which feed is offered to animals. (1mk)

(ii) Ratio of energy to protein in feed. (1mk)

21. Below is an illustration of tractor system. Study it and answer the questions that follow.



(a) Name the system of a tractor illustrated above. (1mk)

(b) Identify the parts labeled C and D. (2mks)

C \_\_\_\_\_

D \_\_\_\_\_

(c) State two roles of the part labeled E. (2mks)

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

**Answer any two questions from this section in the space provided after question 24.**

22. (a) Describe the uses of any ten tools/equipments used when establishing a barbed wire fence. (10 mks)

(b) Give five ways of improving productivity of draught animals. (5mks)

(c) Describe five symptoms of tapeworm attack on livestock. (5mks)

23. (a) Describe anthrax disease under the following sub-headings;-

(i) Cause (1mk)

(ii) Transmission (2mks)

(iii) Signs observed in carcass resulting from death by anthrax. (4mks)

(iv) Control measures. (3mks)

(b) Describe five physical features of an ideal dairy cattle. (5mks)

(c) State five management practices done in an incubator. (5mks)

24. (a) State six advantages of the battery cage system of rearing layers. (6mks)

(b) Describe five practices done immediately after furrowing. (5mks)

(c) (i) Define the term health as used in livestock production. (1mk)

(ii) Explain eight livestock disease general control measures