**NAME: ………………………………………. ADM NO: ………….. CLASS: ……………….**

**443/1**

**AGRICULTURE PAPER 2**

**FORM THREE**

**INSTRUCTIONS:**

This paper consists of 3 sections A, B and C.

Answer all questions in section A and B and two questions from section C.

All answers must be written in the spaces provided after each question.

**SECTION A: (30 MARKS)**

1. Give two reasons for hoof trimming in sheep production. (2 mks)

2. Give four characteristics that make Zebu cattle to be more adapted to tropical conditions that exotic breeds? (2 mks)

3. What do you understand by the term ‘cropping’ as us4ed in fish farming? (1 mk)

4. Give four desirable features of a rabbit hutch. (2 mks)

5. What is the difference between tenon saw and cross-cut saw? (1 mk)

6. State four disadvantages of natural mating in dairy cattle. (2 mks)

7. Give three reasons necessitating the culling of a Ram. (1 ½ mk)

8. Give two reasons why ewe may disown their lamb soon after lambing.

9. List two biotic factors that affect livestock production in Kenya. (1 mk)

10. Name two dual purpose breeds of cattle. (2 mks)

11. State the length of gestation period in the following animals:- (1 ½ mks)

 (i) Sour –

 (ii) Rabbit –

 (iii) Cow –

12. Name three types of calf pens. (1 ½ mks)

13. State two conditions which would make it necessary to feed bees. (2 mks)

14. State two qualities o creep feed which make it suitable for piglets. (2 mks)

15. Name two types of chisel. (2 mks)

16. Give four predisposing factors of livestock diseases. (2 mks)

17. Give two characteristics of a good acaricide. (2 mks)

**SECTION B: (20 MARKS)**

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

 (a) Identify the practice above. (1 mk)

 (b) Give four occasions when the above practice is necessary. (4 mks)

 (c) Give two conditions under which the method cannot be used. (2 mks)

19. The diagram below shows a method used in livestock identification.

 (i) What is the name given to this method (1 mk)

 (ii) Using diagrams, draw the identification marks for animal number 340 (2 mks)

20. (a) A farmer would like to mix feeds to contain 16% DCP for his milking herd, by mixing maize

 meal and barley meal having 10% DCP and 12% DCP respectively. Calculate the quantities of

 each feedstuff the farmer would have in one bag weighing 70kg. (Show yo7ur working) (4 mks)

 (b) Name one method used by farmers during ration computation. (1 mk)

21. Use the diagram below to answer the questions that follow.

 (a) Name the parts labeled J, K, L and M. (2 mks)

 (b) State three signs of parturition in cows. (3 mks)

**SECTION C:**

22. (a) Give three reasons for seasoning timber. (3 mks)

 (b) State factors to be considered when choosing construction materials. (7 mks)

 (c) State factors to consider when siting farm structures. (10 mks)

23. (a) State three sources of water in the body. (6 mks)

 (b) Give the importance of livestock keeping. (10 mks)

 (c) Give four reasons for maintenance of farm tools and equipments. (4 mks)

24. (a) Discuss various materials used in construction. (16 mks)

 (b) Give four ways in which dehorning can be achieved. (4 mks)