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

**END TERM 2, 2019**

**FORM 3 AGRICULTURE**

**PAPER 2**

**TIME: 2 HOURS**

**SECTION A (30 Marks)**

*Answer all questions in this section*

1. Name **three** methods that are used in selection of breeding stock in livestock production.

 (½mks)

1. State **three** signs of heat in pigs. (1 ½ mks)
2. State **two** functions of a queen bee in a colony. (1mk).

 4. Name **two** breeds of sheep kept for dual purpose. (2mks)

 5. Give any **four** advantages of artificial insemination. (2mks)

 6. State **four** methods of identification in livestock. (2mks)

7. Give reasons why roughage is necessary in ruminant animals. (2mks)

 8. What is a notifiable disease? (1/2mk)

 9. State **four** qualities of livestock ration. (2mks)

 10. Define the following terms. (2mks)

(i) Flushing

(ii) Crutching

 (iii) Ringing

 (iv) Raddling

 11. A part from transmission of disease, give **three** harmful effects of ticks on cattle. (1½mks)

 12. State any **four** factors considered when siting farm structures (2mks)

 13. State **four** major categories of farm tools and equipment (2mks)

 14. State **two** reasons for proper care and maintenance of farm tools and equipments (1mks)

 15. Give the functional difference between a rip saw and a cross cut saw. (1mk)

 16. Differentiate between a broiler and a capon (1mk)

 17. State **two** advantages of using embryo transplant. (1mks)

 18. Give **four** reasons for seasoning timber before use. (2 marks)

 19. State any **four** reasons for castrating a goat. (2mks)

**SECTION B (20 marks)**

***Answer all questions in this section***

 20. If the maize meal contains 6% Digestible Crude Protein (DCP) and Fish meal contains

 64% DCP, calculate the amount of each feed stuff in kilograms, required to

 Prepare 200kg of chick mash containing 18% DCP (Show your working) (4mks)

 21. Study the farm tools below and answer the questions that follow





 (a) Identify the farm tools labeled S, P, Q and R (2mks)

 S

 P

 Q

 R

 (b) State the use of each of the tools labeled S and P (1mk)

 S

 P

(c) Give **two** safety precaution that should be taken when using the pair of tools Q and R above (1mk)

(d) State **two** maintenance practices which should be carried out on the tool Q (1mk

22. The diagram below shows parts of a plunge dip.



 i) Name parts A, B, C and D (2mks)

 A

 B

 C

 D

ii) Give **two** reasons why cattle are held for some time in part C. (2mks)

iii) State **two** maintenance practices carried out on part B. (2mks)

 23. Study the illustration of a camel below and answer the questions that follow



1. Name the species of camel shown above (1mk)

 (b) Name the environmental condition under which the camel above survives better (1mk)

 (c) Give **two** reasons which make it possible for the livestock to survive in such

 environment (2mks)

(d)Name another species of camel other than the one above (1mk)

**SECTION C (40MARKS)**

***Answer any two questions***

 24 (a) Explain factors to consider during selection of a breeding stock. (10mks)

(b) Give reasons for maintaining a healthy stock on the farm (10mks)

25 (a)Explain **ten** effects of strong wind on crop production. (10mks)

 (b)Describe **ten** cultural or biological methods of controlling soil erosion. (10mks)

 26 a) Draw the differences between the digestive system of a ruminant and a non- ruminant (5mks)

 (b) Explain **five** functions of water in nutrition (5mks)

 (c) State **ten** safety precautions which should be taken when using

Workshop tools in order to prevent injury (10mks)