

NAME..... ADM NO..... CLASS.....

END TERM 2

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)

2. State **three** signs of heat in pigs. (1 ½ mks)

3. 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. Apart from transmission of disease, give **three** harmful effects of ticks on cattle. (1½mks)
12. State any **four** factors considered when siting farm structures (2mks)

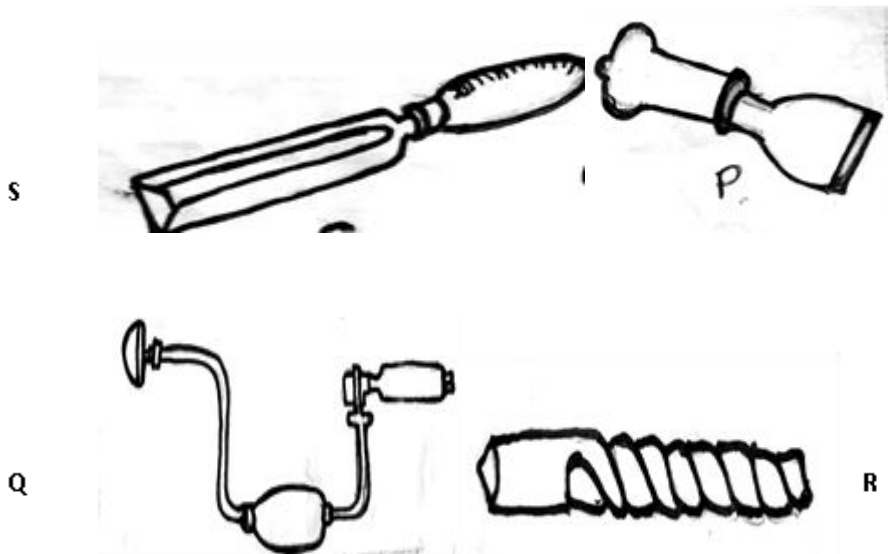
13. State **four** major categories of farm tools and equipment (2mks)
14. State **two** reasons for proper care and maintenance of farm tools and equipments (1mks)
15. Give the functional difference between a rip saw and a cross cut saw. (1mk)
16. Differentiate between a broiler and a capon (1mk)
17. 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

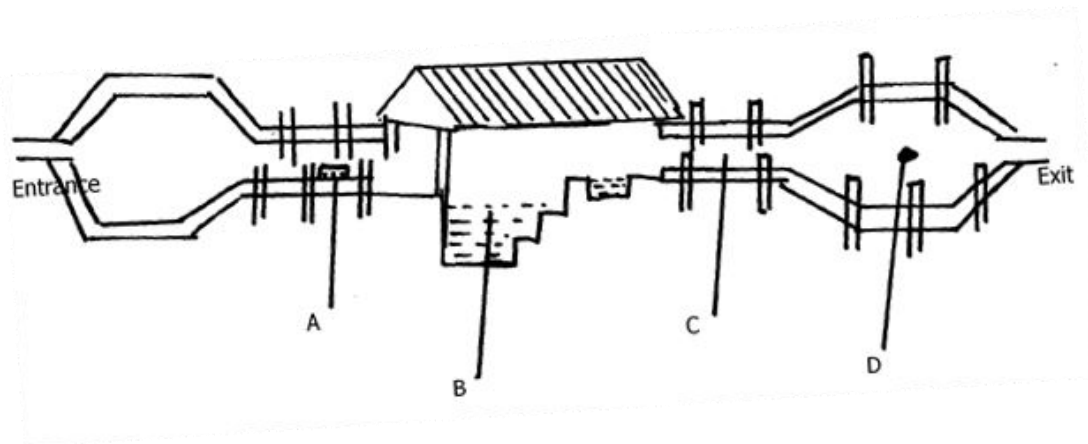
P

(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

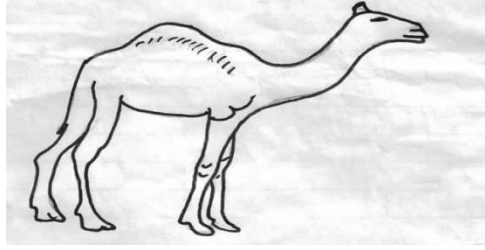
ii) Give **two** reasons why cattle are held for some time in part C.

(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



- (a) 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)