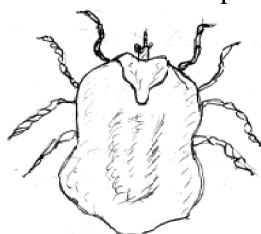


GATANGA SUB-COUNTY JOINT EXAMINATION**443/2****AGRICULTURE****PAPER 2**

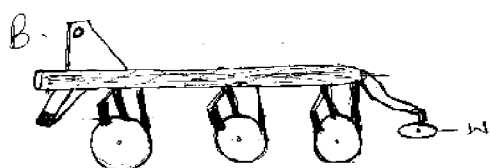
1. Give the appropriate term that refer to each of the following . (1½mks)
 - (a) Mature female sheep
 - (b) Castrated chicken
 - (c) Mature male goat.....
2. Name **two** nutritional diseases in cattle . (1mk)
3. State **four** methods of dehorning livestock . (2mks)
4. State **four** causes of egg eating in a flock layers . (2mks)
5. Name the strokes in a 4 -stroke cycle engine. (2mks)
6. State **four** signs of mite attack in poultry . (2mks)
7. Distinguish between the following terms as used in livestock health. (4mks)
 - (a) Isolation & quarantine
 - (b) Curative drug & prophylactic drugs.
8. State **four** disadvantage of fold system in poultry rearing (2mks)
9. State **four** practices carried out on fish before preservation (2mks)
10. State **four** structural requirement of a calf pen (2mks)
11. State **four** maintenance practice carried out on a spray race (2mks)
12. Name **three** categories of pig feeds according to the stage of growth (1½mks)
13. List **four** reasons for treating timber before roofing farm building (2mks)
14. Name **four** bacterial diseases in livestock (2mks)
15. State the function of the following farm tools and equipment (1½mks)
 - (a) Wire stainer
 - (b) Trocar & Canula
 - (c) Soil Auger
16. Name the hormone that hinders milk let down (½mks)

SECTION B (20 MKS)Answer all questions in this section in the spaces provided

17. The diagrams below illustrates an external parasite of livestock



- a) Name the parasite (1mk)
 - b) State **two** harmful effects of the above parasite (2mks)
 - c) State **two** control measure of the above parasite (2mks)
18. A dairy farmer is required to prepare 200 kg of dairy meal containing 20% digestible crude protein (D.C.P.) Using the Pearson square method . Calculate the quantity of soya bean 40% D.C.P and rice 16% D.C.P. the farmer requires for the dairy meal (5mks)
19. Study the diagrams below and answer the questions that follows: -



- (i) Identify the implements labelled : (1mk)
- (ii). Outline **two** advantages of implement B over A (2mks)
- (iii) State the functions of the parts labelled V and W (2mks)

20. The diagram below illustrates a method of identification in livestock production . Study the diagram and answer the questions that follows.



- (i) Name the type of identification illustrated above (1mk)
- (ii) Give identification number of the animal illustrated in the diagram. (1mk)
- (iii) Using diagrams illustrate how you can identify animals number 24 and number 36 with reference to above diagram. (2mks)
- (iv) Other than the method used, name any other method of identification. (1mk)

SECTION C (40 MARKS)

Answer Two questions in this section in the spaces provided

21. (a) Discuss Gumboro disease under the following sub heading
 - (i) Animal affected (1mk)
 - (ii) Causal organism (1mk)
 - (iii) Symptoms (6mks)
 - (iv) Control measures (2mks)
- (b) Outline five factors to consider when culling dairy cattle (5mks)
- (c) State **five** advantages of live fence (5mks)
22. (a) Describe the difference between diesel and petrol engine (10mks)
- (b) Outline **ten** advantages of artificial insemination in livestock breeding (10mks)
23. (a) Describe the digestive system of a poultry under the following sub-heading
 - (i) Crop (2mks)
 - (ii) Proventriculus (1mk)
 - (iii) Gizzard (3mks)
 - (iv) Duodenum (3mks)
 - (v) Caecum (1mk)
- (b) State **six** characteristics of dairy cattle (6mks)
- (c) State **four** reasons for maintaining farm tools & equipments (4mks)