

**KENYA HIGH SCHOOL**  
**MOCK 2019**  
**AGRICULTURE PAPER 2**

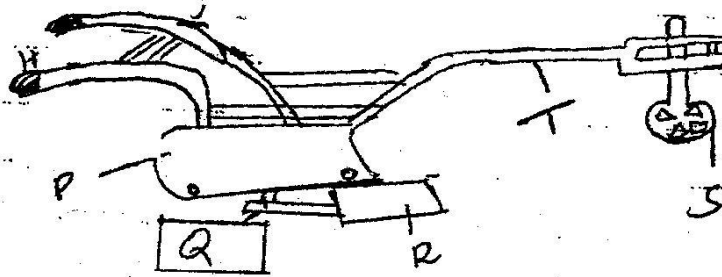
**SECTION A: (30 MARKS)**

1. Name two notifiable diseases (1 mark)
2. State the function of a carburetor in fuel system (1 mark)
3. State four conditions that can make a cow to withhold milk during milking (2 marks)
4. List four factors that influence the quality of honey (2 marks)
5. Name two practices that are carried out on in-calf cows after drying off (1 mark)
6. State four precautions that need to be observed when handling vaccines (2 marks)
7. Give two reasons for iron infection in piglets
8. Why should a farmer be concerned about the health of a livestock in the farm (2 marks)
9. Give the gestation periods of the following animals (1 ½ mark)
  - (i) Cow
  - (ii) Sow
  - (iii) Rabbits
10. State three procedures that need to be carried out on freshly caught fish prior to preservation (1 ½ mark)
11. Name three methods of services in livestock (1 ½ mark)
12. State two causes of soft shelled eggs in poultry (1 mark)
13. State five methods of dehorning in cattle managements (2 ½ mark)
14. Give the appropriate term that refers to each of the following
  - a) Castrated chicken (½ mark)
  - b) Young one of a rabbit (½ mark)
  - c) Mature male goat (½ mark)

15. Give two nutritional diseases in cattle (1 mark)
16. Give three reasons for candling eggs in poultry production (1½ mark)
17. State four functions of a lubrication system on a tractor (2 marks)
18. Give three ways in which farmers market beef cattle in Kenya (1½ mark)
19. State three advantages of fold system in poultry rearing (1½ mark)
20. Name two farm machinery that derive power from PTO (Power Take Off) shaft (1 mark)

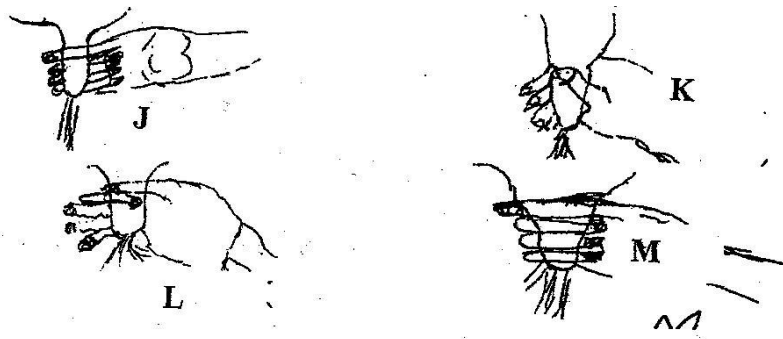
**SECTION B: 20 MARKS**

21. Below is an illustration of a farm implement study it carefully and answer the questions that follow



- (a) Identify the implement illustrated above (1 mark)
- (b) State one basic function of the implement named in (a) above (1 mark)
- (c) What maintenance practice should be carried out on parts labeled S and Q (2 marks)
22. The diagrams labeled J, K, L and M below shows possible ways of drawing milk from teat of a cow

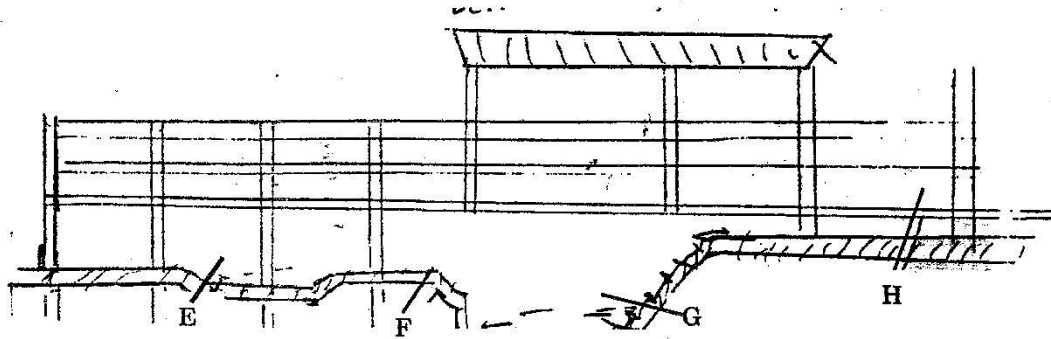
during milk. Use them to answer the questions that follow



- (a) Which of the illustration above shows proper way of milking (1 mark)
- (b) Name the hormone that

- (i) Initiate milk let down (1 mark)  
(ii) Causes holding of milk (1 mark)
- c) Outline three preparations done to the animal before its ready for milking (3 marks)
23. Using the Pearson's square method compute a 200kg ration with 20% DCP from wheat which contains 10% DCP and sunflower seed cake containing 40% DCP (3 marks)

24. The illustration below shows a cross section of a cattle dip



- (a) Name the parts labeled E and G (1 marks)
- E.....  
G.....
- (b) State one use of the parts labeled E, F and H (3 marks)
- E.....  
F.....  
H.....
25. Name complementary tools used for removal of gases that cause bloat in ruminant animals (1 mark)

**SECTION C 40 MARKS**

Answer any TWO questions from this section in the space provided after question 28

26. (a) Describe foot rot disease under the following sub-heading
- (i) Causal organism (1 mark)  
(ii) Sign of infection (5 marks)  
(iii) Control measures (4 marks)
- (b) Explain the importance of functional difference between a disc plough and mouldboard plough in land preparation (10 marks)
27. a) Describe the lifecycle of 3 host tick (6 marks)
- b) State four factors that would determine effectiveness of an acaricide (4 marks)
- c) Outline maintenance practice carried out on a tractor before day's work (7 marks)
- d) Outline three limitations of using draught animals as a source of power on the farm (3 marks)
28. (a) Describe six signs of farrowing in a sow (6marks)
- (b) Explain six benefits of the Kenya top bar hive (6 marks)
- (c) Explain eight factors considered when siting farm structures (8 marks)