

**BARINGO – KOIBATEK DISTRICT**  
**IMPROVEMENT EXAMINATION 2009**  
**Kenya Certificate of Secondary Education.**

**SECTION A (30 MARKS)**

**Answer the questions in this section in the spaces provided.**

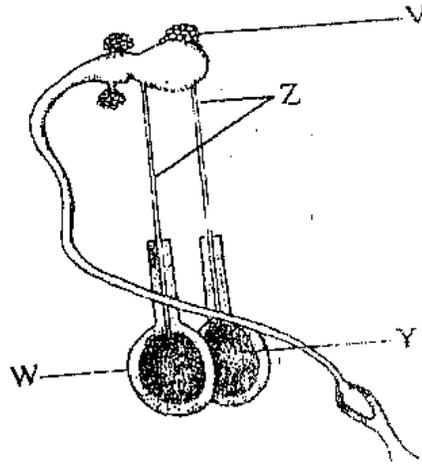
1. State three factors that affect digestibility of a feed in a dairy animals (1 ½ mks)
2. State two methods of administering drugs in livestock. (1mk)
3. (a) Name a breed of sheep kept for mutton production with a lambing Percentage of above 125-140 whose fleece is inferior due to black fibre. (½ mks)  
(b) Name a breed of dairy cattle with the following characteristics:  
Dished for head, yellow-brown colour, milk production fairly high and butter fat content 5-6%.
4. State three factors considered when selecting eggs for sale in a supermarket. (1 ½ mks)
5. (a) Which masonry tool is used during construction to check whether a tall is vertical? (½ mks)  
(b) Name any three parts of a marking gauge (1 ½ mks)
6. (a) What is steaming up in livestock production? (1mk)  
(b) How is the practice important in pig rearing? (1mk)
7. What is Epitasis in livestock breeding? (1mk)
8. State any four maintenance practices that should be carried out on disc plough. (2mks)
9. Outline tow reasons for feed evaluation in livestock nutrition (1mk)
10. (a) What is the function of land wheel on an ox-plough? (½ mk)  
(b) Give two uses of ox-drawn tine harrows. (1mk)
11. Give two uses of a gear box in a tractor. (1mk)

12. Outline two reasons for candling eggs for incubation. (1mk)
13. Give two characteristics that make the gizzard effective in the digestion of food. (1mk)
14. State two reasons for seasoning timber to be used for constructing farm buildings. (1mk)
15. (a) Differentiate between out crossing and cross breeding in livestock breeding. (1mk)  
(b) State three disadvantages of natural method of mating in cattle breeding. (1 ½ mks)
16. Outline any two reasons why a farmer should use concrete floor for dairy sheds. (1mk)
17. Give three reasons for dehorning cows. (1 ½ mks)
18. State two reasons why coal is not a common source of farm power. (1mk)
19. Give two characteristics of air cooled engines. (1mk)
20. Name the causal organism of Brucellosis in pigs (1 ½ mks))
21. Outline three methods of controlling coccidiosis in poultry. (1 ½ mks)
22. Give two reasons why calves should be housed in individual pens. (1mk)
23. Give the importance of calcium and phosphorus in the diet of young livestock. (½ mk)

**SECTION B (20MARK)**

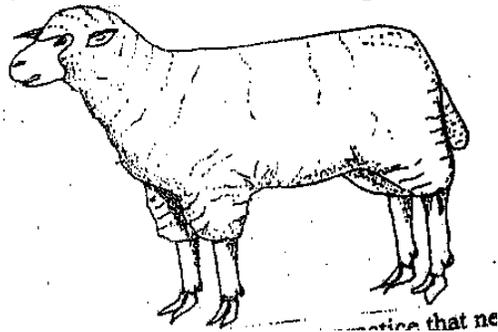
**Answer all the questions in this section in the space provided.**

24. The diagram, below shows the male reproductive system in cattle. Study it and answer questions that follow.



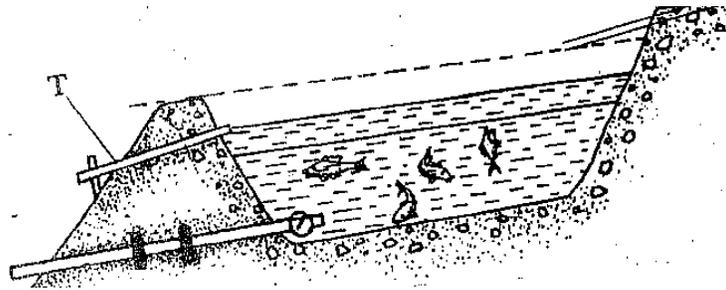
- (i) Name the parts labeled Z and W (1mk)  
 Z.....  
 W.....
  
- (ii) State the functions of the part labeled V and Y in the illustration above. (1mk)  
 V.....  
 Y.....
  
- (iii) Explain how part W adapts to its function? (1mk)

25. Study the illustration below and answer questions that follow:-



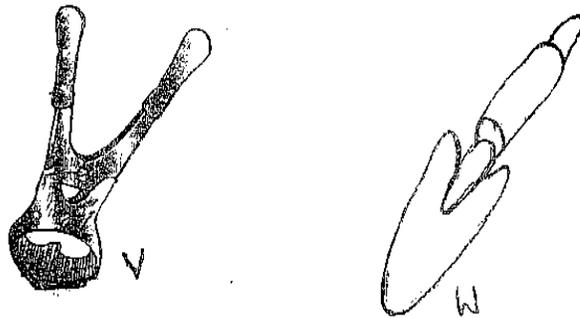
- (a) Identify one routine management practice that needs to be carried out on the animal shown above. (½ mk)
- (b) Mark on the diagram above the right position for raddling (½ mks)

26. Below is an illustration of a cross section of a fish pond study it and answer questions that follow.



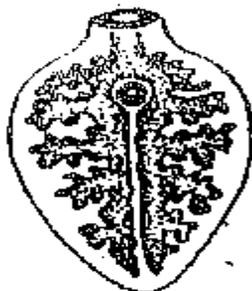
- (i) Identify the parts labeled T and S (1mk)
- (ii) Why is the pond floor slanted towards one side? (1mks)
- (iii) State two maintenance practice carried out on the structure illustrated above (2mks)

27. The illustration below represents farm tools. Study them and answer questions that follow.



- (i) Name the tools labeled V and W (1mk)  
 V.....  
 W.....
- (ii) State one functional difference between the tools represented by the diagram above. (1mk)

28. Below is an illustration of a livestock parasite. Study it and answer questions that follow.



- (i) State three symptoms that may be observed in an animal that has been attacked by the parasite. (3mks)
- (ii) Name the intermediate host of the parasite (1mks)
- (iii) Give two control measures of the parasite (2mks)
29. State three disadvantages of two stroke cycle engines. (3mks)

**SECTION C (40 MARKS)**  
**Answer any TWO questions**

30. (a) Explain the factors considered when siting farm structures. (10mks)
- (b) Describe the procedure of establishing a timber post and barbed wire fence. (10mks)
31. (a) Describe the artificial rearing of layers from one day old to end of eight weeks. (12mks)
- (b) Discuss the importance of keeping livestock health. (8mks)
32. (a) Explain the factors a farmer should consider to ensure fast and efficient cultivation by oxen. (8mks)
- (b) Outline the importance of lubrication system in a tractor (4mks)
- (c) State the daily maintenance and servicing of a tractor (8mks)