

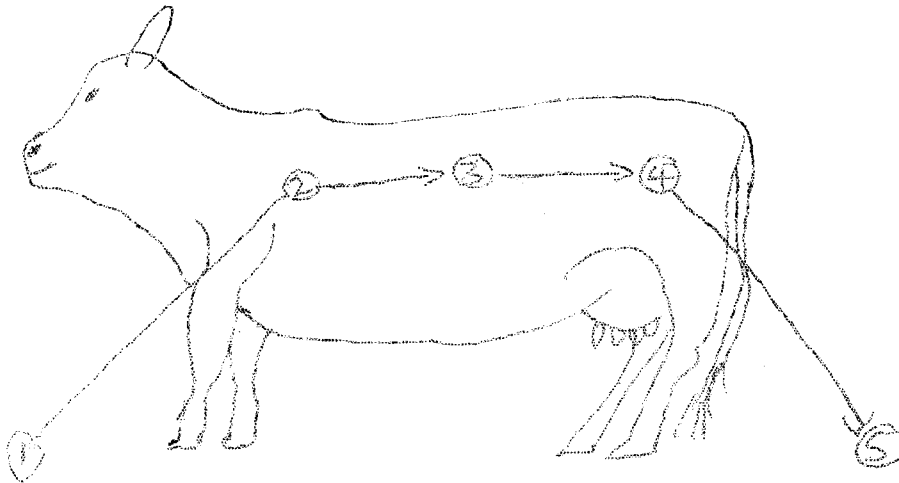
GATITU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU.

FORM 3 AGRICULTURE MID TERM EXAMINATION. TERM 1 2016.

1. State four non-chemicals methods of controlling ticks. (4mks)

- i)
- ii)
- iii)
- iv)

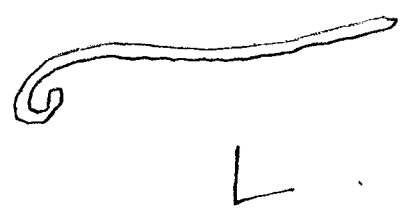
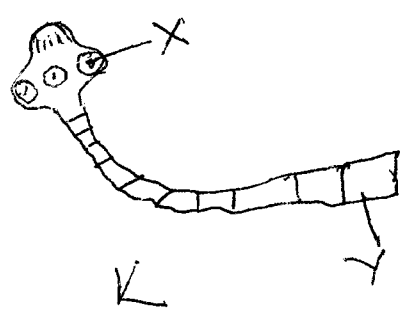
2. The diagram below illustrates the stages of life cycle of a tick. Study the diagram and answer the questions that follow.



a) Describe the development of ticks at 1, 2, 3, and 4. (4mks)

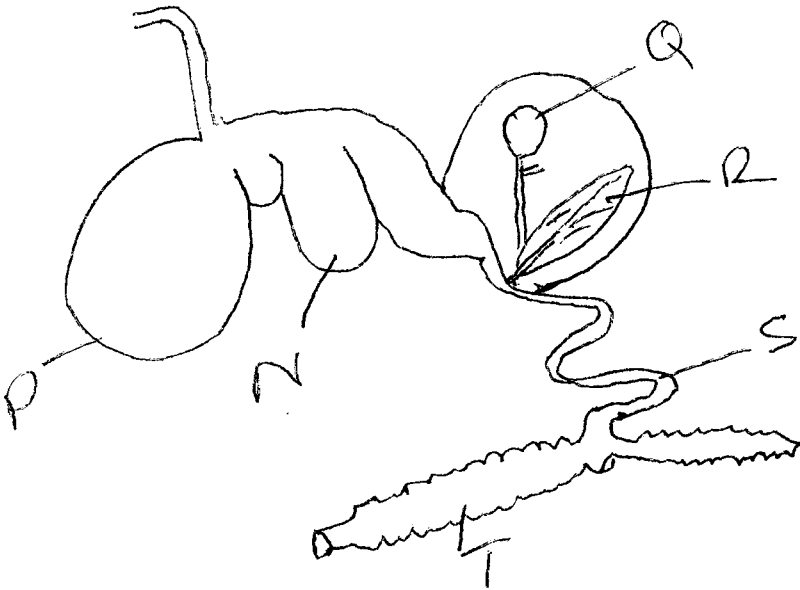
b) Classify the illustrated tick based on its life cycle. (1mk)

3, Below are diagrams of internal parasites. Study them carefully and answer the questions that follow.



- b) Identify the parasites K and L (2mks)
K
L
- b) Name the development stage of the parasite labeled K in cattle muscles. (1mk)
- c) Name parts labeled X and Y on K (2mks)
X
Y
- d) Outline the procedure of handling a heifer when administering a liquid deworming drug to control the parasites illustrated above. (5mks)

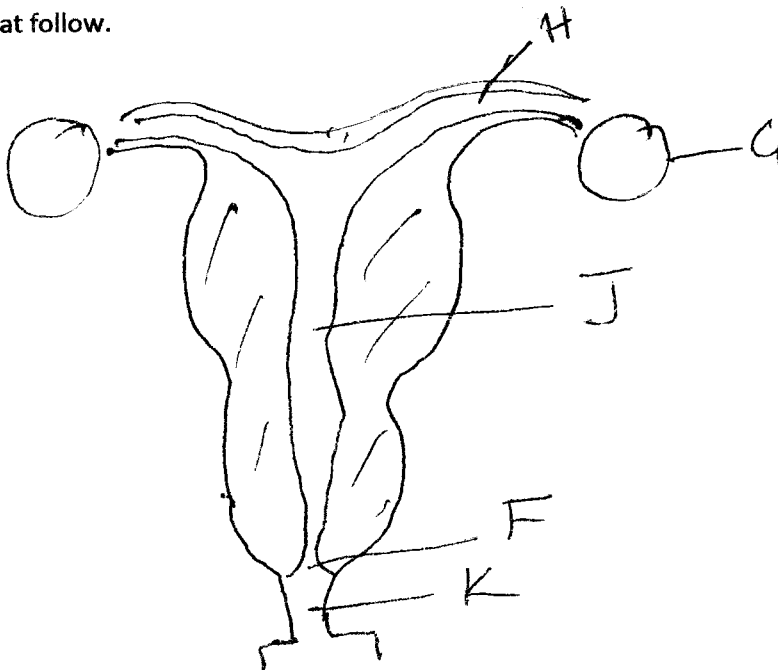
4. The diagram below shows the digestive system of cattle. Study it and answer the questions that follow.



- a) Name the parts labeled N P and Q. (3mks)
- N
- P
- Q
- b) State one functions for each of the parts labeled S and T. (2mks)
- S
- T
- c) Give the enzyme produced by each of the parts labeled R and S (2mks)
- R
- S
5. State four characteristics of roughage livestock feeds. (4mks)
- i)
- ii)
- iii)
- iv)

6. A dairy farmer required to prepare 100 kg of dairy meal containing 20% DCP, using soya beans (40% DCP) and Rice (16% DCP). Using persons square method calculate the quantity of soya beans ~~and~~ and rice the farmer requires to make the dairy meal. (6mks)

7. The diagram below shows the female reproductive system of a cow. Study it and answer the questions that follow.



a) Name the parts labeled F, H and K (3mks)

F

H

K

b) Give two functions of the part labeled G (2mks

i)

ii)

c) What is the role of the part labeled J (1mk

8. Give four reasons why embryo transfer use should be encouraged in dairy cattle breeding. (4mks

i)

ii)

iii)

iv)

9. Differentiate between mothering ability and prolificacy in livestock breeding. (2mks

10. State three desirable characteristics to be considered when selecting a heifer for milk production. (3mks

i)

ii)

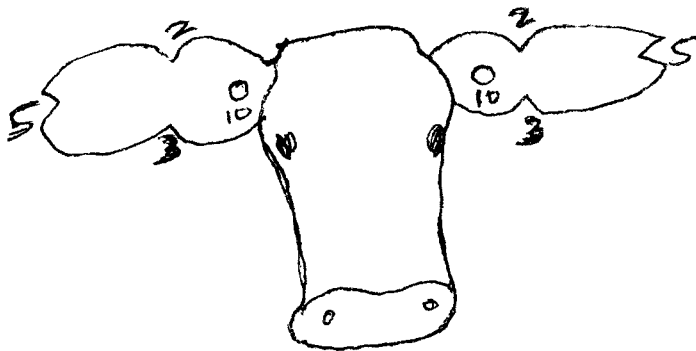
iii)
11. State five advantages of artificial insemination in cattle management. (5mks)

- i)
- ii)
- iii)
- iv)
- v)

12. Give four reasons for feeding livestock (4mks)

- i)
- ii)
- iii)
- iv)

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



a) Name the type of identification illustrated above. (1mk)

