**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ADM NO: \_\_\_\_\_\_\_\_\_\_\_CLASS: \_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SIGN: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**AGRICULTURE**

**FORM 3**

**TERM 1 2025**

**OPENER EXAMINATION**

**INSTRUCTIONS: *Answer all the Questions* TIME: 1 HR 30 MIN**

1. State five functions of water in an animal s diet.(5marks)

2. Give three sources of water in the animal’s body.(3marks)

3. Outline five factors that influence the amount of water taken by a farm animal. (5marks)

4. a) Using the Pearson’s square method, compute a 100kg ration with 20% DCP oats which contains 10% DCP and simsim seed cake containing 60%DCP. (5mks)

5.a) Give five differences between ruminant and a nonruminant animal. (5marks)

6. The diagram below shows the digestive system of a livestock.



a) Identify type of livestock that posses the digestive system shown above. (lmark)

b) Name the parts labeled B,C,D and G. (4 marks)

c) State the main functions of the parts labeled B, C. Dand G. (4 marks)

7. a)State five harmful effects of ticks. (5marks)

c) List five control measures of ticks. (5marks)

8. Name the four main stages of the life cycle of ticks.(2marks)

9. a) What is meant by one host tick. (1mark)

10.Describe the life cycle of a three host tick. (5marks)