

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

ANHE 0223: VIRAL, RICKETTSIAL AND PARASITIC DISEASES

STREAMS: DIP. ANHE

TIME: 2 HOURS

DAY/DATE: MONDAY 14/04/2025

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS

- Answer all questions in section A and any two questions in section B

SECTION A (30 marks)

1. Salome's chicken are having scales and crusts on the legs
 - a) Identify the condition and the cause. (3 marks)
 - b) Discuss the treatment of the condition in (a) above. (2 marks)
 - c) Discuss how you can advise Salome on controlling of the disease. (3 marks)
2. Identify 4 viral skin diseases affecting livestock. (4 marks)
3. You are called to attend to puppies that are showing diarrhea:
 - a) List 4 probable causes of the diarrhea. (4 marks)
 - b) On further examination and post mortem you find the diarrhea is bloody, there is a high mortality and there are worms on the intestines. Discuss the treatment of the condition. (2 marks)
 - c) Discuss how you will control the disease in 3(b) above (4 marks)
4. Discuss the methods used in tick control and the challenges associated with tick control in Kenya. (6 marks)

SECTION B (40 marks)

5. After onset of heavy rains and flooding, a herd of sheep is presented to you with a fever, stormy abortion, and diarrhea. Discuss the condition under the following headings:
- a) Your tentative diagnosis of the condition and the etiology (4 marks)
 - b) Transmission of the disease (2 marks)
 - c) Other clinical signs you would expect to see (5 marks)
 - d) Samples you would collect for confirmatory diagnosis (2 marks)
 - e) Control (4 marks)
 - f) Protective measures you will use to prevent human infection from the disease (3 marks)
6. Discuss parasitic gastroenteritis in cattle under the following headings:
- a) Etiology (1 marks)
 - b) Transmission and life cycle (4 marks)
 - c) Major clinical signs (6 marks)
 - d) Laboratory diagnosis (2 marks)
 - e) Treatment (3 marks)
 - f) Control measures (4 marks)
7. Discuss Anaplasmosis under the following subheadings:
- a) Etiology and transmission (4 marks)
 - b) Species affected (2 marks)
 - c) Clinical signs (5 marks)
 - d) Laboratory diagnosis (3 marks)
 - e) Management and Control (6 marks)
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