



UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF THE CERTIFICATE
IN ANIMAL SCIENCE AND TECHNOLOGY
SECOND SEMESTER 2024/2025
[SEPTEMBER – DECEMBER, 2024]**

**ANHE 00221: HELMINTICS, PROTOZOAL AND RICKETTSIAL
DISEASES**

STREAM: Y1 S2

TIME: 2 HOURS

DAY: WEDNESDAY, 9:00 - 11:00 A.M.

DATE: 11/12/2024

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE in section A (Compulsory) and any other TWO questions from section B.***

SECTION A

1. State the etiology of the following diseases.
 - a) Myiasis (1 mark)
 - b) Theileriosis (1 mark)
 - c) Anaplasmosis (1 mark)
 - d) Mange (1 mark)
 - e) Babesiosis (1 mark)
 - f) Heart water (1 mark)
 - g) Ehrlichiosis (1 mark)
 - h) Hemonchosis. (1 mark)
2. a) State how you will make diagnosis for mange infestation. (3 marks)
b) State the five clinical of anaplasmosis. (5 marks)
3. a) State four the clinical signs of babesiosis. (2 marks)
b) Give the major clinical signs of heart water in bovine. (5 marks)
c) State the treatment of theileriosis in bovine. (3 marks)
4. a) State five clinical signs of mange in sheep and goats. (5 marks)
b) State the treatment of anaplasmosis in cattle. (3 marks)
c) State four main clinical signs of theileriosis in bovine. (2 marks)
d) State four clinical signs of parasitic bronchitis in sheep and goats. (4 marks)

SECTION B

5. Discuss coccidiosis under the following headings. (15 marks)
i) Etiology/epidemiology ii) pathogenesis iii) clinical signs iv) treatment and control.
6. Discuss trypanosomosis under the following headings. (15 marks)
i) Etiology and epidemiology ii) pathogenesis iii) clinical signs iv) treatment and control
7. Discuss helminthosis disease under the following headings. (15 marks)
i) Etiology ii) life cycle iii) clinical signs iv) treatment and control