



COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

DEPARTMENT OF AGRICULTURAL SCIENCES

MAIN PAPER

END OF FIRST SEMESTER FINAL EXAMINATION

COURSE: ANIMAL HEALTH

CODE: NAAS405

DATE: NOVEMBER 2023

DURATION: THREE (3) HOURS

INSTRUCTOR: DR. D. CHIKWANDA

INSTRUCTIONS TO CANDIDATES

1. Answer ALL questions in **section A** and any three questions in **section B**
2. Section A carries **40 marks** and each question in section B carries **20 marks**
3. There are three (3) printed pages

SECTION A: Answer **all** questions from this section.

Question 1

a) Define the following terms:

i. Necrosis. [2]

ii. Deworming. [2]

iii. Dyspnoea. [2]

iv. Zoonosis. [2]

v. Fascioliasis. [2]

b) Differentiate animal disease monitoring from surveillance. [4]

c) Highlight the control methods for foot and mouth disease. [5]

d) Giving examples, outline the problem of plant poisoning in farm animals. [6]

e) Examine challenges presented by parvovirus infections in pigs and how they can be controlled. [6]

f) Using examples, discuss the challenge of external parasites on sows. [9]

[40]

SECTION B: Answer any **three** questions from this section.

Question 2

Discuss the causes of mastitis in dairy cattle. **[20]**

Question 3

Using examples, explore biosecurity measures that are critical on a livestock farm. **[20]**

Question 4

‘Inappropriate use of antibiotics in livestock production can negatively impact human health.’ Discuss. [20]

Question 5

- a) Elaborate on the causes of high somatic cell counts in milk. [6]
 - b) Highlight the importance of ante-mortem livestock inspection. [6]
 - c) Give an outline of the one health concept. [8]
- [20]

Question 6

Analyse any **two** (2) bacterial diseases of chickens in terms of:

- i. aetiology. [4]
 - ii. signs and symptoms. [6]
 - iii. treatment. [6]
 - iv. control. [4]
- [20]

END OF QUESTION PAPER!!!