



**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES**

**DEPARTMENT OF AGRICULTURAL SCIENCES**

**MAIN PAPER**

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**END OF FIRST SEMESTER FINAL EXAMINATION**

**COURSE:           ANIMAL PRODUCTION**

**CODE:             NAAS212**

**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) body condition score [2]
    - ii) deworming. [2]
    - iii) dehorning. [2]
    - iv) artificial insemination [2]
    - v) parturition. [2]
  - b. Highlight any **four** traits of economic importance in broiler production. [4]
  - c. Explore the causes of calf scours. [4]
  - d. Outline the:
    - i) Importance of record keeping in livestock production. [5]
    - ii) Common signs of a sick pig. [5]
    - iii) Outline the importance of a creep area. [6]
  - e. Highlight the different methods of castration. [6]
- [40]**

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

**Question 2**

Discuss the factors affecting goat production in Zimbabwe. [20]

**Question 3**

- a. Highlight factors that are linked to pre-weaning kid mortality. [5]
  - b. Discuss sources of milk contamination in dairy production. [15]
- [20]**

**Question 4**

- a. Explore traits of economic importance in sheep production. [10]
  - b. Outline the importance of handling facilities on a dairy farm. [10]
- [20]**

**Question 5**

- a) Outline the characteristics of the following beef production systems:
    - i. Intensive; [4]
    - ii. Semi-intensive; [4]
    - iii. Extensive; and [4]
    - iv. Organic. [4]
  - b) Explain why it is not advisable to rear wool-type sheep on natural vegetation in Zimbabwe. [4]
- [20]**

**Question 6**

- a. Examine the biosecurity measures to be observed by a pig farmer located near a game park. [10]
  - b. Discuss the waste management procedures that may be employed by a pig farmer. [10]
- [20]**

**END OF EXAMINATION!!!**