

**GWANDA STATE UNIVERSITY**



**FACULTY OF NATURAL RESOURCES MANAGEMENT AND AGRICULTURE**

**DEPARTMENT OF ANIMAL SCIENCES**

**BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE**

**LAS4206 Pig and Poultry Production**

**Final Examination Paper**

**June 2023**

**Time Allowed: 3 hours**  
**Special Requirements: None**  
**Examiner's Name: Dr S. Moyo**

***Instructions to Candidates:***

1. *The paper consists of six questions, answer **ALL** questions in **Section A** and **ANY TWO** in **Section B**.*
2. *Marks for each question are shown in brackets. Where a question has subdivisions, the marks for each subdivision are given.*
3. *Illustrate your answer, where applicable, with large clearly labelled diagrams.*

**MARK ALLOCATION**

<b>QUESTION</b>	<b>MARKS</b>
<b>SECTION A</b>	<b>60</b>
<b>SECTION B</b>	<b>40</b>
<b>TOTAL ATTAINABLE MARKS</b>	<b>100</b>

***This paper consists of three printed pages including this one.***

**Copyright: Gwanda State University, 2023**

**SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION**

**QUESTION 1**

- a. Outline five economic importance of raising Poultry in Zimbabwe. [5]
- b. Briefly explain the following terms as used in non-ruminant production:
  - i. Creep feeding; [2]
  - ii. Brooding; [2]
  - iii. Farrowing; [2]
  - iv. Natural incubation; [2]
  - v. Flushing. [2]
- c. Explain five factors that causes stress in poultry production. [5]

**QUESTION 2**

- a. Advise farmers on how they can improve the feed intake of a lactating sow. [10]
- b. Discuss any five constraints faced by smallholder farmers in raising indigenous chickens in Zimbabwe. [10]

**QUESTION 3**

- a. Cannibalism is a well-known problem in chicken farming. Advise farmers on the causes of cannibalism. [10]
- b. New Castle disease is of threat in poultry, how can it be prevented and controlled. [10]

**SECTION B: ANSWER ANY TWO QUESTIONS IN THIS SECTION**

**QUESTION 4**

- a. Discuss any five factors to consider when purchasing boar for breeding stock. [10]
- b. Describe the properties of good litter material to be used by farmers when raising chickens. [10]

**QUESTION 5**

- a. The supply of light to layers is one of the most powerful tools to ensure a constant

level of production. Discuss the mechanism by which light affects production in layers. [10]

b. Advise farmers on the care and management of piglets. [10]

### **QUESTION 6**

a. Write short notes on mange in pigs under the following headings:

i. Causal agent; [1]

ii. Symptoms; [4]

iii. Prevention, and [3]

iv. Treatment. [2]

b. Discuss Ascites in broiler production under the following headings:

i. Causes; [3]

ii. Clinical signs; [3]

iii. Diagnosis; [2]

iv. Control. [2]

**END OF QUESTION PAPER**