

**GWANDA STATE UNIVERSITY**



**FACULTY OF NATURAL RESOURCES MANAGEMENT AND AGRICULTURE**

**DEPARTMENT OF ANIMAL PRODUCTION AND HEALTH**

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

**PIG AND POULTRY PRODUCTION**

**LAS 4203**

**Semester 2 Examination**

**April 2024**

This examination paper consists of **three** printed pages

<b>Time Allowed:</b>	<b>3 hours</b>
<b>Total Marks:</b>	<b>100</b>
<b>Special Requirements:</b>	<b>None</b>
<b>Examiner's Name:</b>	<b>Mr D Mlilo</b>

**INSTRUCTIONS TO CANDIDATES**

1. Answer **ALL** questions in Section A
2. Answer **ONLY TWO** questions in Section B

**MARK ALLOCATION**

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

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

### **Question 1**

Discuss constraints faced by indigenous chicken producers in Zimbabwe. [20]

### **Question 2**

(a) Define the following:

- i. Litter size; [2]
- ii. Farrowing index; [2]
- iii. Sow productivity; and [2]
- iv. Parity. [2]

(b) Briefly describe how the following affect sow productivity:

- i. Litter size; [3]
- ii. Lactation length; [3]
- iii. Farrowing index; and [3]
- iv. Pre-weaning mortality. [3]

### **Question 3**

Write short notes on the attributes of the following pig breeds:

- i. Dalling; and [10]
- ii. Mukota. [10]

## **SECTION B: ANSWER ONLY TWO (2) QUESTIONS FROM THIS SECTION**

### **Question 4**

Outline the factors that affect litter size in pig production. [20]

### **Question 5**

4. Discuss the animal welfare issues in layer chicken production. [20]

### **Question 6**

5. Discuss factors affecting egg hatchability in breeding chickens. [20]

**Question 7**

Describe the attributes of indigenous chicken breeds (strains) of Zimbabwe. [20]

END OF QUESTION PAPER