



FACULTY OF NATURAL RESOURCES MANAGEMENT AND AGRICULTURE  
DEPARTMENT OF ANIMAL PRODUCTION AND HEALTH

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BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL PRODUCTION AND HEALTH  
Pig and Poultry Production (LAS 4206)

SEMESTER 2 EXAMINATION

June 2025

Time Allowed: 3 hours  
Special Requirements: None  
Examiner's Name: K. Mafunga

**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**

QUESTION	MARKS
SECTION A	60
SECTION B	40
TOTAL ATTAINABLE MARKS	100

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

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

**Question 1**

- a. List two causes of low hatchability in poultry production. **[2 mark]**
- b. Highlight the key routine management practices for ensuring optimal performance in laying hens. **[10 marks]**

**Question 2**

- a. Explain why are newborn piglets highly susceptible to hypothermia? **[6 marks]**
- b. Discuss the pros and cons of weaning piglets at 6 days versus 4 weeks. **[12 marks]**

**Question 3**

- a. What is creep feeding? **[1 mark]**
- b. Discuss the importance of creep feeding. **[10 marks]**

**Question 4**

- a. Discuss three main systems of raising chickens. **[15 marks]**
- b. Which chicken production system would you recommend in the following cases? Provide one reason for each.
- i. For communal farmers around Filabusi township. **[2 marks]**
- ii. For a commercial farmer in Shangani. **[2 marks]**

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

**Question 5**

- a. Weaning can be traumatic to piglets. Discuss how you ensure a smooth transition during weaning. **[8 marks]**
- b. Discuss the preparations of the brooder before chick arrival. **[12 marks]**

**Question 6**

Describe the following poultry diseases, including the causes, symptoms, treatment, and preventive measures:

- i. Avian influenza. **[10 marks]**
- ii. Newcastle disease. **[10 marks]**

**Question 7**

Discuss the factors affecting age at puberty in pigs.

**[20 marks]**

**END OF QUESTION PAPER**

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