

GWANDA STATE UNIVERGWANDA STATE UNIVERSITY



FACULTY OF NATURAL RESOURCES MANAGEMENT AND AGRICULTURE

DEPARTMENT OF ANIMAL PRODUCTION AND HEALTH

BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE

DAIRY PRODUCTION

LAS4105

FIRST SEMESTER FINAL EXAMINATION PAPER

SEPTEMBER 2024 MAIN EXAM

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: Dr B. Moyo

INSTRUCTIONS

1. Answer **all** questions in Section A
2. Answer **two** questions in Section B

MARK ALLOCATION

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

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SECTION A: Answer all questions

1a. State the signs of heat in a dairy cow. **[10 marks]**

1b. State the aids, points or ways which can assist in improving oestrus detection? **[10marks]**

2a. Discuss the proper care of the new born calf. **[10 marks]**

2b. State the factors which affect choice of breeds in dairy with emphasis on smallholder dairy production. **[10 marks]**

3a. Briefly discuss milk let down in dairy cattle. **[10 marks]**

3b. write short notes:

i. Predisposing factors to Ketosis. **[5marks]**

ii. Convectional feeding. **[5 marks]**

SECTION B: ANSWER ONLY QUESTIONS

4. Discuss the adulteration of milk that can happen in the dairy industry. **[20 marks]**

5. Briefly describe the steps involved in milking procedure. **[20 marks]**

6. Discuss the factors that affect the cow's milk yield. **[20 marks]**

END OF EXAMINATION