

GWANDA STATE UNIVERSITY



FACULTY OF LIFE SCIENCES

DEPARTMENT OF ANIMAL SCIENCES

BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE

Dairy Production

LAS 2209

First Semester Final main Examination Paper

June 2019

This examination paper consists of 3 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 **only 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]

1b. What are points or ways which can assist in improving oestrus detection? [10]

2a. Write short notes on the care of the new born calf. [10]

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

3a. Briefly discuss milklet down in dairy cattle. [10]

3b. Write short notes:

i. Challenge feeding. [5]

ii. Convectional feeding. [5]

SECTION B: ANSWER ONLY QUESTIONS

4. Milk Processors have complained of the adulteration of milk. Discuss with the farmers the adulteration of milk that can happen in the dairy industry. [20]

5. Milking is a process with certain procedures that need to be followed to obtain high quality milk. Briefly describe the steps involved in milking procedure. [20]

6. Cow's milk yield tends to vary due to certain factors. Write short notes on the factors affecting milk cow yield. [20]

7. Discuss the causes of variations in milk composition. [20]

END OF EXAMINATION