

# GWANDA STATE UNIVERSITY



FACULTY OF LIFE SCIENCES

DEPARTMENT OF ANIMAL SCIENCES

BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE

BEEF PRODUCTION

LAS 2207

Second Semester Final main Examination Paper

June-July 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
<b>TOTAL ATTAINABLE MARKS</b>	<b>100</b>

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**Section A: Answer all Questions**

- 1a.** State ways how semen can be collected. [ 4]
- 1b.** Pregnancy diagnosis is done as management tool. Discuss. [14]
- 1c** State the important weights to keep as a beef farmer. [ 2]
- 2a.** State the signs that a cow may exhibit when coming into heat (8 hours before). [ 5]
- 2b.** State the advantages of controlled breeding seasons. [ 5]
- 2c.** Discuss the importance of selection of beef females. [10]
- 3.** Discuss factors affecting cow productivity. [20]

**SECTION B: Answer only two Questions**

- 4.** Write notes on the following:
- a.** dehorning. [ 6]
  - b.** castration. [ 6]
  - c.** weaning. [ 8]
- 5.** Discuss the qualities, characteristics and traits of Nguni cattle breed. [20]
- 6.** Discuss the management of bulls in the following categories:-
- a.** Rearing young bull. [ 5]
  - b.** Rearing mature bull. [15]
- 7.** Discuss some abnormalities that are common in feedlot. [20]

**END OF EXAMINATION**