GWANDA STATE UNIVERSITY



FACULTY OF LIFE SCIENCES

DEPARTMENT OF ANIMAL SCIENCE

BACHELOR OF SCIENCE HONOURS DEGREE IN CROP SCIENCE

Principles of Animal Production

LAS 2106

First Semester Final Main Examination Paper

February 2022

This examination paper consists of 3 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: Dr S. 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 \underline{ALL} QUESTIONS IN THIS SECTION

QUESTION 1

a.	State 4 ways in which domesticated animals greatly contribute to human needs. [4				
b.	Outline four criteria in which an animal must meet in order be considered domesticate				
		[4]			
c.	Give the scientific name of a pig.	[1]			
d.	d. Explain the following terms as used in Animal Science				
	i. Heterosis.	[2]			
	ii. Wether.	[2]			
	iii. Pullet.	[2]			
e.	State any five challenges faced by poultry production industry in Zimbabwe.	[5]			
QI	UESTION 2				
W	rite briefly on each of the following:				
	a. Oestrus detection aids that can be used to improve heat or oestrus detectioni. Use of a teaser bull	[5]			
	ii. Heat mount detectors	[5]			
QI	UESTION 3				
Ex	plain crossbreeding as a tool for animal improvement and highlight its advantages.	[6]			
QI	UESTION 4				
Th	e actual calving process can be divided into 3 stages. Discuss each of the following:				
	i. Preparatory stage;	[5]			
i	i. Fetal expulsion;	[5]			
ii	i. Expulsion of the placenta.	[5]			
QI	UESTION 5				
a.	Food restriction is commonly practiced in layers production. List any four advantages	3			
	attached to this practice.	[4]			
b.	Describe the production management principles of broilers from day old to slaughter.	[5]			

SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION

QUESTION 6

Discuss artificial insemination under the following headings:

welfare of animals in livestock production systems.

	i.	Advantages;	[10]	
	ii.	Semen collection;	[5]	
	iii.	Insemination process.	[5]	
QU	JESTI	ON 7		
a.	a. Outline 7 ways through which parasites cause harmful effects to animals.b. How can these parasites (in question 7a) be controlled.			
b.				
QU	JESTI	ON 8		
	D	iscuss the World Organisation for Animal Health (OIE) general principles	for the	

END OF EXAMINATION

[20]