

NATIONAL UNIVERSITY OF LESOTHO
FACULTY OF AGRICULTURE
DEPARTMENT OF ANIMAL SCIENCE
SECOND SEMESTER EXAMINATION 2022/23 SESSION
ANS2509: PRINCIPLES OF ANIMAL PRODUCTION

JUNE 2023

MARKS: 100

TIME: 3 HOURS

INSTRUCTIONS:

Answer all questions

Start every question on a new page

Number your questions correctly

Write neatly

Question 1

Animal production is the branch of agriculture concerned with animals that are raised for meat, eggs, fiber, milk and other products. Which factors are to be considered in animal production? [5 marks]

Question 2

Describe why farm animals are important to human beings. **Be species specific.** [10 marks]

Question 3

State five points you will use to encourage the Lesotho farmers to rear pigs. [10 marks]

Question 4

In animal breeding, what should be considered for selection of a:

- a) Boar [6 marks]
- b) Gilt? [6 marks]

Question 5

Describe three factors affecting growth rate and quality of broilers. [9 marks]

Question 6

Rabbit farming has grown from raising a few rabbits for family consumption to large commercial operations. Advise a local farmer on nutrition requirements at different stages in rabbit production:

- a) Gestation and lactation [6 marks]
- b) Weaning [6 marks]
- c) Growth. [6 marks]

Question 7

Ruminants include cattle, sheep and goats. Under each class, mention five characteristics of the following breeds:

- a) Beef cattle – Nguni [5 marks]
- b) Dairy cattle – Jersey [5 marks]
- c) Sheep – Merino [5 marks]
- d) Goats – Angora. [5 marks]

Question 8

Describe the four compartments making up the stomach of ruminant animals. [8 marks]

Question 9

Explain the following body parts in a healthy animal:

- a) Eyes [2 marks]
- b) Ears [2 marks]
- c) Nose [2 marks]
- d) Mouth. [2 marks]