

NATIONAL UNIVERSITY OF LESOTHO

DEPARTMENT OF ANIMAL SCIENCE

SUPPLEMENTARY EXAMINATION 2022/2023

ANS 4507: INFECTIOUS AND NON-INFECTIOUS LIVESTOCK DISEASES

AUGUST 2023

MARKS 100

TIME: 3 HOURS

INSTRUCTIONS

- **Answer ALL questions**
 - **Answer each question on a SEPARATE page**
 - **You can start with ANY question, and make sure you number your answers correctly**
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Question 1

Write short notes on:

(20 Marks)

- a. Hypobiosis **(4)**
- b. Peri-parturient rise **(6)**
- c. Epidemiology of Blackleg Disease **(5)**
- d. Pathogenesis on Salmonellosis **(5)**

Question 2

- a. Describe the routine measures applied for deworming programme **(10)**
- b. With the aid of a diagram, discuss the basic life cycle of worms **(10)**

Question 3

- a. Mastitis is a major problem for dairy cattle in Lesotho. Examine how the disease is spread and controlled. **(15)**
- b. Diseases are said to be a change in the normal condition of a living organism. This change can be brought about by another living organism such as a pathogenic microorganism. List any five **(5)** factors that prepare the way for specific diseases.

Question 4

Complete the disease card for Brucellosis below. **(20 Marks)**

Animals affected	Spread
Most significant clinical signs	Pathogenesis
Diagnosis	DD
Treatment	Prevention and Control

Question 5

- a. With the aid of a diagram, describe the life cycle of a liver fluke in ruminant animals.
(15)
- b. Indicate the signs and symptoms that would be found in animals affected by liver fluke.
(5)