



UNIVERSITY OF SWAZILAND

2nd SEM. 2016/2017

FINAL EXAMINATION PAPER

PROGRAMME: B.Sc. AGRICULTURAL EDUCATION YEAR 3, B.Sc. ANIMAL SCIENCE YEAR 3 AND B.Sc. ANIMAL SCIENCE (DAIRY OPTION) YEAR 3

COURSE CODE: AS 302

TITLE OF PAPER: ANIMAL HEALTH

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR

QUESTION 1

Write short Notes on:

- (a) Physical examination of farm animals (10 Marks)
- (b) Clinical examination of circulatory system in cattle. (15 Marks)

QUESTION 2

Describe the clinical signs and control measures for the following:

- (i) Anthrax (10 Marks)
- (ii) Bovine babesiosis (5 Marks)
- iii) Foot and mouth disease (10 Marks)

QUESTION 3

- (a) List and describe the type of swellings in farm animals. (10 Marks)
- (b) Describe how to carry out a clinical examination of each of the above listed swellings in order to reach a tentative diagnosis. (15 Marks)

QUESTION 4

A number of cattle on a farm are limping, showing abnormal posture, arched back, legs apart.

- a) What are the differential diagnoses? (7 Marks)
- b) Which body system(s) is diseased? (2 Marks)
- c) List the diagnostic approach. (6 Marks)
- d) List the method(s) of treatment and prevention. (10 Marks)

QUESTION 5

a. Copy and complete the table onto your answer book.

(14 Marks)

Causative agent	Biological vector	Affected tissues	Clinical signs	Examples of diseases
Viruses				
Rickettsiae				
Bacteria				
Protozoa				
Fungi				
Helminths				
Mites				

b. List all the most common routes of entry of disease causative agents.

(5 Marks)

c. List all the modes of transmission of all the above disease causative agents.

(6 Marks)