



**UNIVERSITY OF SWAZILAND**

**2nd SEM. 2017/2018**

**SUPPLEMENTARY 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 FOUR (4) QUESTIONS

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

**QUESTION 1**

Discuss the transmission of infectious and zoonotic diseases.

**(25 Marks)**

**QUESTION 2**

Describe the clinical signs of the following diseases:

(i) Botulism in cattle.

**(5 Marks)**

(ii) Bovine Anaplasmosis.

**(5 Marks)**

iii) Newcastle disease.

**(5 Marks)**

iv) Milk fever in dairy cattle.

**(5 Marks)**

v) Heartwater.

**(5 Marks)**

**QUESTION 3**

List and Explain the following, giving examples:

(a) How drugs are applied in domestic animals.

**(5 Marks)**

(b) Secondary bacterial infection.

**(5 Marks)**

(c) Type of samples routinely collected from cattle.

**(15 Marks)**

**QUESTION 4**

Rabies is an endemic problem in Swaziland. Describe the conventional control measures for rabies. What are the challenges faced by the Veterinary department in controlling this disease?

**(25 Marks)**

**QUESTION 5**

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

(21 Marks)

<b>Causative agent</b>	<b>Biological vector</b>	<b>Affected tissues</b>	<b>Clinical signs</b>
<b>Viruses</b>			
<b>Rickettsiae</b>			
<b>Bacteria</b>			
<b>Protozoa</b>			
<b>Fungi</b>			
<b>Helminths</b>			
<b>Mites</b>			

b. Which disease causative agents are possible to treat? Explain your answer. (4 Marks)