



**2<sup>nd</sup> SEMESTER 2011/2012**

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**UNIVERSITY OF SWAZILAND  
FINAL EXAMINATION PAPER**

**PROGRAMME : AgED 3 & AniSci 3**

**COURSE CODE : AS 302**

**TITLE OF PAPER : ANIMAL HEALTH**

**TIME ALLOWED : TWO HOURS**

**INSTRUCTIONS : ANSWER ANY FOUR QUESTIONS**

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

**QUESTION ONE**

Compare between:

- a) Endemic and Epidemic disease (5 Marks)
- b) Breech and Wound Strike (5 Marks)
- c) Humoral and Cellular mechanisms (5 Marks)
- d) Mild and Acute clinical mastitis (5 Marks)
- e) Incubatory and Convalescent carrier (5 Marks)

**QUESTION TWO**

Draw and label the life cycle of the following:

- a) *Cowdria ruminantium* (5 Marks)
- b) Trypanosomes (5 Marks)
- c) Sarcoptic mange (Goat Mange) (5 Marks)
- d) *Echinococcus granulosus* (5 Marks)
- e) Three host ticks (5 Marks)

**QUESTION THREE**

Write on:

- a) Premunity (5 Marks)
- b) Disadvantages of dead vaccines (5 Marks)
- c) Bacterial morphology (5 Marks)
- d) Different types of asexual reproduction in protozoa (5 Marks)
- e) Treatment of bovine Babesiosis (5 Marks)

**QUESTION FOUR**

List the clinical signs of the following diseases:

- a) Gumboro Disease (5 Marks)
- b) Pig Scours (5 Marks)
- c) Canine Distemper (5 Marks)
- d) Heart Water (5 Marks)
- e) Lumpy Skin Disease (5 Marks)

**QUESTION FIVE**

Describe the general routine measures to be applied to control the occurrence of the following diseases:

- a) Black-quarter (5 Marks)
- b) Foot and Mouth disease (5 Marks)
- c) Canine parvovirus (5 Marks)
- d) Rabies (5 Marks)
- f) Botulism (5 Marks)