



**2<sup>ND</sup> SEMESTER 2009/2010**

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**UNIVERSITY OF SWAZILAND  
FINAL EXAMINATION PAPER**

- PROGRAMME** : **B. Sc. IN AGRICULTURAL EDUCATION  
YEAR III AND B. Sc. IN ANIMAL SCIENCE  
YEAR III**
- COURSE CODE** : **APH 301**
- 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**

- a. Give an account of the sources of causal agents of infectious diseases of farm animals and describe how these causal agents are spread or transmitted among these animals. (15 Marks)
- b. Explain how host factors influence the occurrence of infectious diseases among farm animals. (10 Marks)

**QUESTION TWO**

Explain how you would calibrate a newly constructed dip tank to a capacity of 15,000 litres and how you would use this dip tank to carry out the first and subsequent head count type of dipping. (25 Marks)

**QUESTION THREE**

- a. Describe how the disease condition mastitis is spread and controlled among cattle on a large dairy farm. (20 Marks)
- b. Give an account of the economic importance of the disease condition mastitis in beef and dairy cattle industries. (5 Marks)

**QUESTION FOUR**

Devise routine disease control measures to be carried out on a large poultry hatchery that supplies day old chicks to poultry farms. (25 Marks)

**QUESTION FIVE**

- a. Describe the circumstances under which the disease condition botulism can occur among cattle in Southern Africa. (15 Marks)
- b. Describe the measures to be applied to control botulism on a commercial ranch in Southern Africa. (10 Marks)

**QUESTION SIX**

Give an account of the reasons animal diseases must be controlled in Southern Africa. (25 Marks)