



2nd SEM. 2005/2006

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME : DIPLOMA IN AGRICULTURE YEAR II AND AGRICULTURAL EDUCATION YEAR II

COURSE CODE: : APH 204

TITLE OF PAPER : INTRODUCTION TO ANIMAL HEALTH AND HYGIENE

TIME ALLOWED : TWO (2) HOURS

INSTRUCTIONS : ANSWER ANY FOUR QUESTIONS

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QUESTION ONE

- 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 the disease condition botulism on a commercial ranch in Southern Africa. (10 Marks)

QUESTION TWO

Describe the routine measures to be applied to control most prevalent bacterial and viral diseases of poultry in a country in Southern Africa. (25 Marks)

QUESTION THREE

Describe the routine measures you would use to control the spread of common diseases among dairy calves on a large dairy farm in Southern Africa. (25 Marks)

QUESTION FOUR

- a. Describe how each of the following diseases is transmitted among cattle in Southern Africa.
- i. Red water (bovine babesiosis)
 - ii. Heartwater (cowdriosis)
 - iii. East Coast Fever (theileriosis) (15 Marks)
- b. Describe the general routine measures to be applied to control the occurrence of the diseases Red water, Heartwater and East Coast Fever. (10 Marks)

QUESTION FIVE

- a. You have carried out a clinical examination of a bull weighing 500 kg and have come up with a tentative diagnosis that it has gall sickness. Describe how you would go about getting confirmative diagnosis. (5 Marks)
- b. After receiving the confirmative diagnosis that the bull is actually suffering from gall sickness, you have been advised that Oxytetra LA, containing 200 mg per ml of the active ingredient oxytetracycline at a dosage of 15 mg per kg of body weight, should be used. Calculate, showing all your work, how many ml of this antibiotic you will give this cow. (20 Marks)

QUESTION SIX

- a. Give an account of the economic importance of the parasitic infestation caused by the round worm *Ascaris suum* in pig production. (10 Marks)

- b. Describe the routine management measures a commercial pig farmer should apply to control the infestation caused by the round worm *Ascaris suum*. (15 Marks)