



UNIVERSITY OF SWAZILAND

2nd SEM. 2015/2016

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME: BSc. 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

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QUESTION 1

(a) Explain how you would differentiate/ determine the definitive diagnosis of the following diseases. **(15 Marks)**

- i. Foot and Mouth disease and Foot rot
- ii. Anthrax and Contagious abortion
- iii. Milk fever and Downer Syndrome

(b) What is secondary bacterial infection? Explain taking into account its importance in chemotherapy for non infectious diseases. **(10 Marks)**

QUESTION 2

Describe the clinical signs of the following diseases:

- (i) Botulism in cattle. **(5 Marks)**
- (ii) Gumboro disease **(5 Marks)**
- iii) Newcastle disease. **(5 Marks)**
- iv) Pig Scours. **(5 Marks)**
- v) Piglet Anaemia **(5 Marks)**

QUESTION 3

Explain the following, giving examples:

- (a) Zoonotic disease and Chronic disease **(5 Marks)**
- (b) Endemic disease and Epidemic disease **(5 Marks)**
- (c) Infectivity and virulence. **(10 Marks)**
- (d) General clinical signs and Pathognomonic clinical signs **(5 Marks)**

QUESTION 4

a. What are the challenges being faced by the Veterinary department in controlling Rabies in Swaziland? **(10 Marks)**

b. Explain why it is important to control veterinary drugs in the country. **(15 Marks)**

QUESTION 5:

Write short notes on:

a) The Goals and the salient features of the Swaziland Livestock Identification and Traceability System (SLITS). **(10 Marks)**

b) Disease Ecology. **(5 Marks)**

b) The general effects of diseases. **(10 Marks)**