



UNIVERSITY OF ESWATINI
Faculty of Health Sciences
Department of Environmental Health Science

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE

FINAL EXAMINATION PAPER 2020

TITLE OF PAPER : MEAT PATHOLOGY

COURSE CODE : EHS 426

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS :

- : READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
- : ANSWER ANY FOUR (4) QUESTIONS
- : EACH QUESTION CARRIES 25 MARKS.
- : WRITE NEATLY & CLEARLY
- :
- : BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR.

QUESTION ONE

- (a) What are the major pathology signs of Actinobacillosis in cattle? [5 Marks]
- (b) What are the major pathology signs of Actinobacillosis in sheep? [5 Marks]
- (c) What are the major pathology signs of Actinomyces in pigs? [5 Marks]
- (d) Outline treatment of animal with Actinomyces. [5 Marks]
- (e) Define the following terms
 - (i) Commensalism [1 Mark]
 - (ii) Osteomyelitis [1 Mark]
 - (iii) Oedematous [1 Mark]
 - (iv) Dyspnoea [1 Mark]
 - (v) Suppurative [1 Mark]

[Total 25 marks]

QUESTION TWO

- (a) Briefly discuss why Anthrax is associated with high fatality rate. [10 Marks]
- (b) Outline preventive measures to take against outbreak of Anthrax. [10 Marks]
- (c) Briefly discuss the causative agents of Black Leg. [5 Marks]

[Total 25 marks]

QUESTION THREE

Discuss the causative agents, transmission and symptoms of Salmonellosis in animals

[25 Marks]

[Total 25 marks]

QUESTION FOUR

- (a) What are the acute signs of Hog Cholera? [5 Marks]
- (b) Briefly outline the transmission of Foot and Mouth Disease. [5 Marks]
- (c) Briefly discuss why it is not normally advisable to vaccinate cattle infected with Foot and Mouth Disease [5 Marks]
- (d) How is Avian Influenza transmitted? [5 Marks]
- (e) What are the ante-mortem signs of Fowl Pest? [5 Marks]

[Total 25 marks]

QUESTION FIVE

- (a) Write brief notes (causative agent, transmission & symptoms) about African Swine Fever. [15 Marks]
- (b) Tuberculosis is one of the most important diseases of man and animal in Eswatini. Describe the causative agent of tuberculosis in terms of size, shape, generation time and clearly elaborate on specific infectious agents (species) that affect Human, Bovine, Poultry and Cold-blooded animals [10 Marks]

[Total 25 marks]