



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

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE

FINAL EXAMINATION PAPER 2019

TITLE OF PAPER : MEAT PATHOLOGY

COURSE CODE : EHM 409

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) Define the following terms
- (i) Crepitation [1 Mark]
 - (ii) Commensalism [1 Mark]
 - (iii) Pica [1 Mark]
 - (iv) Metritis [1 Mark]
 - (v) Dyspnoea [1 Mark]
 - (vi) Suppurative [1 Mark]
 - (vii) Petechia [1 Mark]
- (b) Blackleg disease is often confused with Anthrax disease. How would you differentiate the symptoms of Blackleg from those of Anthrax? [10 Marks]
- (c) Briefly discuss what can make an inapparent infection become apparent infection. [8 Marks]
- [Total 25 marks]

QUESTION TWO

Discuss the causative agents, transmission and symptoms of Salmonellosis in animals [25 Marks]

[Total 25 marks]

QUESTION THREE

- (a) List two methods you can use to control spread of Foot and Mouth disease [2 Marks]
- (b) Briefly discuss why is not normally advisable to vaccinate cattle infected with Foot and Mouth Disease [3 Marks]
- (c) Why is Actinobacillosis sometimes called Wooden Tongue? [5 Marks]
- (d) Briefly elaborate about the transmission of Avian influenza. [5 Marks]
- (e) Differentiate chronic symptoms of swine fever from that of acute form. [8 marks]
- (f) Why does outbreak of swine fever lead to mortality rate as high as 90%? [2 Marks]
- [Total 25 marks]

QUESTION FOUR

- (a) Write brief notes about Coccidiosis in Poultry [15 Marks]
- (b) Tuberculosis is one of the most important diseases of man and animal in Swaziland. 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]

QUESTION FIVE

- (a) Poultry refers to all domestic birds that are bred for table. The Poultry digestive system plays a role to ensure fast growth of chicken for consumers. Briefly outline and discuss the digestive system of poultry [22 Marks]
- (b) Write short notes about Mareks disease. [3 Marks]
- [Total 25 marks]