



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

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE

FINAL EXAMINATION PAPER 2017

TITLE OF PAPER : MEAT PATHOLOGY

COURSE CODE : EHM 409

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS :

- : READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
- : ANSWER **ANY FOUR** 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) Ecchymoses | [1 Mark] |
| (iv) Metritis | [1 Mark] |
| (v) Suppurative | [1 Mark] |
| (vi) Petechia | [1 Marks] |
| (vii) Fomites | [1 Mark] |
- (b) Briefly discuss what can make an inapparent infection become apparent infection.
[8 Marks]
- (c) Discuss the major similarities between Anthrax and Blackleg disease.
[10 Marks]
- [Total: 25 Marks]

QUESTION TWO

- (a) What are the symptoms of septicaemic syndrome of Salmonellosis in animals?
[15 Marks]
- (b) Briefly outline the procedure or treatment plan of animals having Salmonellosis.
[6 Marks]
- (c) Why does Johne's disease lead to enlargement and oedematous of mesenteric lymph nodes
[4 Marks]
- [Total: 25 Marks]

QUESTION THREE

- (a) Discuss Foot and Mouth disease with respect to;
- | | |
|-------------------------|-----------|
| (i) Causative agents; | [3 Marks] |
| (ii) Species affected; | [2 Marks] |
| (iii) Transmission; | [5 Marks] |
| (iv) Treatment or cure; | [6 Marks] |
- (b) What is Hydrophobia? [1 Mark]
- (i) What are the major symptoms of Rabies in livestock? [4 Marks]
- (c) What are the major effects of outbreak of Lumpy skin disease? [4 Marks]
- [Total: 25 marks]

QUESTION FOUR

- (a) How would you differentiate Bacillary white diarrhea from Fowl Typhoid?
[5 Marks]
- (b) Write brief notes about Coccidiosis in Poultry [10 Marks]
- (c) When carrying out post mortem, explain how carcasses that died from Swine fever can be differentiated from those that died from African Swine fever
[10 Marks]
- [Total: 25 marks]

QUESTION FIVE

- (a) Briefly outline the approach that is used to identify the causative agent for Tuberculosis. **[3 Marks]**
 - (b) Discuss the symptoms, transmission and pathology of Tuberculosis in livestock. **[20 Marks]**
 - (c) Under which Tuberculosis condition is the entire carcass, organs and viscera seized and condemned. **[2 Marks]**
- [Total: 25 Marks]**