



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

DEGREE IN ENVIRONMENTAL HEALTH AND FOOD
SCIENCE

FINAL EXAMINATION PAPER 2016

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) | Attenuated | [1 Mark] |
| (ii) | Crepitation | [1 Mark] |
| (iii) | Commensalism | [1 Mark] |
| (iv) | Pica | [1 Mark] |
| (v) | Oedema | [1 Mark] |
| (vi) | Facultative anaerobe | [1 Mark] |
| (vii) | Metritis | [1 Mark] |
| (viii) | Dyspnoea | [1 Mark] |
| (ix) | Toxaemia | [1 Mark] |
| (x) | Suppurative | [1 Mark] |
| (xi) | Septicemia | [1 Mark] |
| (xii) | Petechia | [1 Marks] |
| (xiii) | Exudate | [1 Mark] |
| (xiv) | Orchitis | [1 Mark] |
| (xv) | Necrosis | [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]

[25 marks]

QUESTION TWO

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

[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) What makes the anthrax bacterium able to remain infective for 10-20 years in soil and pastures?

[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]

[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]

[25 marks]

QUESTION FIVE

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

[25 Marks]