



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

DIPLOMA IN ENVIRONMENTAL HEALTH
FINAL EXAMINATION PAPER 2011

- TITLE OF PAPER** : MEAT PATHOLOGY
- COURSE CODE** : EHS 209
- 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 1

Blackleg disease is often confused with Anthrax disease. How would you differentiate between the two diseases?

[25 Marks]

Question 2

(a) Given the following analogy: During the outbreak of unknown disease one observes the following,

- It is acute, highly contagious viral disease,
- predominantly of cattle but will affect all cloven footed animals including pigs.
- It is manifested by initial fever and lesions on the mouth and the feet.
- The virus is highly resistant to freezing and even to some strong disinfectants.

Suggest the name of disease, distribution in terms of occurrence, causative agents, transmission, and Symptoms

[25 Marks]

Question 3

(a) Define the following terms

- | | |
|-------------------------|----------|
| (i) Attenuated | [1 Mark] |
| (ii) Catarrhal rhinitis | [1 Mark] |
| (iii) Commensalism | [1 Mark] |
| (iv) Pica | [1 Mark] |
| (v) Oedema | [1 Mark] |
| (vi) Exudate | [1 Mark] |
| (vii) Orchitis | [1 Mark] |
| (viii) Dyspnoea | [1 Mark] |
| (ix) Emphysema | [1 Mark] |
| (x) Suppurative | [1 Mark] |

(b) How would you differentiate Swine Influenza from African Swine fever

[15 Marks]

Questions 4

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]

Questions 5

(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]