



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

DIPLOMA IN ENVIRONMENTAL HEALTH
SUPPLEMENTARY EXAMINATION PAPER 2005

TITLE OF PAPER : MEAT PATHOLOGY & SAFETY

COURSE CODE : EHS 201

DURATION : 3 HOURS

MARKS : 100

INSTRUCTIONS : ANSWER ALL FIVE(5) QUESTIONS

: NO PAPER SHOULD BE BROUGHT INTO NOR
OUT OF THE EXAMINATION ROOM.

: BEGIN EACH QUESTION ON A SEPARATE
SHEET OF PAPER.

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

Question 1

Complete the table provided below.

Parasite	Host	Intermediate stage	Intermediate host	Frequent site of larval stage
a-----	b-----	Cysticercus cellulosa	c-----	d-----, e-----heart, diaphragm, tongue, and shoulder muscles
Taenia serialis	dog	f-----	g-----	Intermuscular tissue of the back, loin, hind limbs
h-----	dog	Cysticercus tenuicollis	Cattle, sheep, goat, pig	i-----
j-----	dog	Hydatid cyst	k----- all possible answer (2)	L----- Any three organs (3)
m-----	Man	Cysticercus bovis	n-----	o-----, heart, tongue, muscles of shoulder and diaphragm
Taenia pisiformis	dog	p-----	r-----	Abdominal cavity

[20 Marks]

Question 2

a. If foot and mouth disease is discovered in Lavumisa, how would you control the disease from spreading? [15]

b. How is Anthrax transmitted to human? [5]

[20 Marks]

Question 3

a.State the conditions that may lead to spread of brucellosis in cattle. [5]

b.How would human beings contract brucellosis. [4]

c. Briefly state the brucellosis symptoms likely to be observed in man. [6]

d. Show the lesions that are indicative of Bacillary white diarrhea in domestic fowl.[5]
[20 Marks]

Question 4

a. What do you understand by scombroid poisoning and state scombroid poisoning symptoms likely to be observed in man? [10]

b. Briefly describe anisakiasis in fish and show human symptoms likely to be seen in anisakiasis.

[10]

[20 Marks]

Question 5

a. As an Environmental Health Officer (EHO), how would you contribute in the control of human tuberculosis?

[12]

b. During poultry examination, you observe that the carcass is affected by Newcastle disease. What decision would you take and give reasons for your choice of answer.

[8]

[20 Marks]