

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

DEGREE IN WATER RESOURCES AND ENVIRONMENTAL HEALTH MANAGEMENT

RESIT EXAMINATION PAPER 2017

TITLE OF PAPER

MEAT HYGIENE

COURSE CODE

EHS 228

DURATION

2 HOURS

MARKS

100

INSTRUCTIONS

READ THE QUESTIONS & INSTRUCTIONS

CAREFULLY

ANS

ANSWER ALL QUESTIONS

:

EACH QUESTION CARRIES 25 MARKS.

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WRITE NEATLY & CLEARLY

:

NO PAPER SHOULD BE BROUGHT INTO OR

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.

EHS 228 RESIT EXAMINATION PAPER 2017

a) V b) I c) V d) I	How do y Why is s Explain t	haemal lymph nodes? you ensure that before slaughter an animal has adequate glycogen reserves ufficient glycogen in the muscles of an animal before slaughter important? the factors that influence the onset of rigor mortis in meat. uld you estimate the age of cattle by using the teeth? [25 Marks]	
Question 2			
a)	a) Give at least two draining areas for each of the following lymph nodes in cattle.		
	i.	Parotid	
	ii.	Mediastinals	
	iii.	Portals	
	iv.	Mesenteric	
	v.	Popliteal	
	vi.	Renal	
	vii.	Prescapular	
	viii.	Supramammary	
	ix.	Superficial inguinal	
	х.	Submaxillary	[20]
b)	In foc	od animal's species, the fats consistency, and colour are different for different	ent
	anima	als. Using appropriate examples, explain why that is so.	[5]
Ova	ution 3		
-	Question 3 a) Cattle meat is said to be red and poultry meat white. What is responsible for this		
a	differ	• •	
h		is it necessary to stun food animals prior to their slaughter?	[5]
c		is the fat of pigs softer than that of sheep or goat?	[5]
d		e and locate the salivary glands in cattle.	[5]
	,	and locate the sanvary grands in cattle.	[5]
C) Expia		[5]
		[25 Mark	sj
Ques	stion 4		
a) Abatt	oirs are considered to be very important in meat hygiene. Explain why?	[15]
b		ribe the measures that are required to ensure that meat after slaughter is kep oes not spoil quickly. [25 Marks]	ot safe [10]