UNIVERSITY OF SWAZILAND FACULTY OF HEALTH SCIENCES

BSC in ENVIRONMENTAL HEALTH SCIENCES

SUPPLEMENTARY EXAMINATION PAPER JULY 2015.

TITLE OF PAPER

FOOD HYGIENE AND PRESERVATION

COURSE CODE

EHM 309

DURATION

2 HOURS

MARKS

100

INSTRUCTIONS

ANSWER ANY FOUR QUESTIONS

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EACH QUESTION CARRIES 25 MARKS.

WRITE NEATLY

BEGIN EACH QUESTION ON A SEPARATE

SHEET OF PAPER.

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

Question 1

		[25 marks]
poisoning in restaurants. [10]		
d)	Discuss the role played by food handlers in the reduction or el	limination of food
c)	How does wood smoke preserve food?	[6]
b)	Why organic acids cannot be used in foods with neutral pH	[4]
a)	Discuss the effects of organic acids on microorganisms.	[5]

Question 2

a)	Quaternary Ammonium Compounds (Quats) are frequently preferred as		
	equipment sanitizer. Why is that so?	[10]	
b)	How does food preservation ensure food security?	[10]	
c)	Discuss the importance of adding spices in food.	[5]	
-		[25 Marks]	

Question 3

a)	Explain the mechanism of preservation using sugar syrup and salt brin	e.[8]
b)	How does dehydration preserve foods?	[8]
c)	Write short notes on food irradiation.	[9]

[25 Marks]

Question 4

Discuss the strategies that should be implemented to improve the safety of street vended foods in Swaziland.

[25 Marks]

Question 5

The World Health Organization (WHO) has proposed five keys that when adhered to would ensure food safety. Explain these factors and show how they would contribute to food safety.

[25 Marks]