

2ND SEM. 2010/2011

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME

BACHELOR OF SCIENCE IN FOOD

SCIENCE, NUTRITION AND

TECHNOLOGY YEAR III

COURSE CODE

FSNT 304

TITLE OF PAPER

FOOD QUALITY ASSURANCE AND

CONTROL

TIME ALLOWED

TWO (2) HOURS

INSTRUCTIONS

ANSWER QUESTION ONE (1)

AND ANY OTHER (2) QUESTIONS

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QUESTION 1 [COMPULSORY]

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a) Name a food safety body concerned with food safety	in the following countries:
i. South Africa	
ii. Botswana	
iii. Swaziland	
	[6 Marks]
b) Discuss two advantages of using a HACCP system in	a food industry.
	[4 Marks]
c) Define the following terms:	
i. Quality control	
ii. Quality assurance	
iii. Quality by design	•
	[6 Marks]
d) List the standards which are covered by the Codex Al	imentarious.
	[8 Marks]
e) Explain the role of the following regulatory agencies	in the United States:
i. US FDA	•
ii. USDA	
	[10 Marks]
f) Explain the two elements of Hazard Analysis.	[6 Marks]
	[40 Marks]
QUESTION 2	
Describe 6 elements of the ISO 9001 standards.	[30 Marks]
	[30 Marks]

QUESTION 3

a) Draw a flow diagram for a beef sausage up to the point of cooking, and identify the critical control points. [20 Marks]

b) Justify the need for food companies to use the ISO 22000:2005 standards.

[10 Marks]

[30 Marks]

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QUESTION 4

a) Identify and explain 5 factors which may affect food quality.

[10 Marks]

- b) Discuss the Current GMP practice under the following headings:
 - i. Personnel
 - ii. Equipment and Utensils

[20 Marks]

[30 Marks]