



UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER

**PROGRAMME : BACHELOR OF SCIENCE IN FOOD SCIENCE,
NUTRITION & TECHNOLOGY;
BACHELOR OF SCIENCE IN CONSUMER SCIENCE ;
BACHELOR OF SCIENCE IN CONSUMER SCIENCE
EDUCATION.**

YEAR IV

COURSE CODE : FSNT 402

TITLE OF PAPER : FOOD SAFETY AND PUBLIC HEALTH

TIME ALLOWED : TWO (2) HOURS

**INSTRUCTIONS : ANSWER QUESTION ONE (1) AND,
ANY OTHER TWO (2) QUESTIONS**

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CHIEF INVIGILATOR**

QUESTION 1[COMPULSORY]

- (a) Discuss **five (5)** factors that, in your opinion, have contributed to the rise in Public Health and Food Safety scares and concerns in Swaziland and globally. **(25 Marks)**
- (b) How is the Consumer in Swaziland protected from the sale or supply of unsafe food? Discuss in detail using appropriate examples to illustrate your position. **(15 Marks)**

[TOTAL MARKS = 40]**QUESTION 2**

Contaminants that can render food unsafe and thus become a threat or injurious to health are broadly classified as chemical/biochemical, physical and microbiological/biological.

- i) From each of these broad classes, identify **three (3)** contaminants and discuss the nature of the hazard(s) they present in the food supply chain and ultimately to the Consumer. **(18 Marks)**
- ii) Why must restaurants and purveyors (vendors, suppliers) of food prepared for the general public ensure proper and adequate storage and handling equipment for such food?

(12 Marks)**[TOTAL MARKS = 30]****QUESTION 3**

Compare and contrast the following terms giving appropriate examples to illustrate each term:

- a) Public Health versus Food Safety **(6 Marks)**
- b) Food-borne illness/disease versus Food-borne Outbreak **(6 Marks)**
- c) Intoxication versus Infection **(6 Marks)**
- d) Prevalence versus Incidence **(6 Marks)**
- e) Anthropogenic versus Food Poisoning **(6 Marks)**

[TOTAL MARKS =30]

QUESTION 4

- (a) Identify and discuss **three (3)** points in the food supply chain where you think Food Safety can be greatly compromised in Swaziland. Support your stance with appropriate examples. **(15 Marks)**
- (b) Of what value is adequate and accurate documentation of food-borne or food intoxication/infection important for a country? Discuss in detail. **(15 Marks)**

[TOTAL MARKS = 30]