

1ST SEM. 2020/21

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UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

PROGRAMME

FOOD SCIENCE, NUTRITION AND

TECHNOLOGY, CONSUMER

SCIENCE AND CONSUMER SCIENCE

EDUCATION LEVEL 4

COURSE CODE

FNS403

:

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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QUESTION 1 (COMPULSORY)

- a) Explain the following terms:
 - i. Food safety hazard
 - ii. Cross-contamination
 - iii. Potentially hazardous foods
 - iv. Incidence
 - v. Ready to eat food
 - vi. Product recall

(30 Marks)

b) A foodborne illness can occur as a result of time-temperature abuse. Explain the meaning of time-temperature abuse and give three (3) examples of how food can be time-temperature abused.

(10 Marks)

[TOTAL MARKS = 40]

QUESTION 2

Discuss the four (4) main categories of food contamination citing relevant examples under each category.

(30 Marks)

 $[TOTAL\ MARKS = 30]$

QUESTION 3

a) Explain why hand washing is important for food handlers. Outline the safe hand washing steps necessary to prevent cross-contamination.

(10 Marks)

b) Discuss four (4) reasons why outbreaks of food borne diseases are investigated.

(20 Marks)

[TOTAL MARKS = 30]

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QUESTION 4

- a) State the major pathogen likely to contaminate the following foods:
 - i.Ground beef
 - ii.Polony
 - iii.Eggs
 - iv.Undercooked chicken
 - v.Ready-to-eat salad
 - vi.Fruits and vegetables
 - vii.Raw cheese
 - viii.Oxtail stew
 - ix.Ice

(18 Marks)

- b) Explain the following most significant food safety issues citing examples where appropriate:
 - i. Chemical contaminants in food
 - ii. Listeria outbreaks

(12 Marks)

[TOTAL MARKS = 30]