



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

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE

FINAL EXAMINATION PAPER 2017

TITLE OF PAPER : FOOD QUALITY CONTROL

COURSE CODE : EHM 408

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS :

- : READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
- : ANSWER **QUESTION ONE** AND **ANY OTHER THREE** QUESTIONS.
- : EACH QUESTION **CARRIES 25** MARKS.
- : WRITE NEATLY & CLEARLY
- :
- : BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.

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

QUESTION ONE

Write short notes on any five (5) pre-requisite programmes for Hazard Analysis Critical Control Point (HACCP) listed below.

- (i) Good Manufacturing Practices (GMP),
- (ii) Good Hygiene Practices (GHP),
- (iii) Sanitation Standard Operating Procedures (SSOP),
- (iv) Personal Hygiene,
- (v) Chemical Control,
- (vi) Pest Control,
- (vii) Waste Management,

[Total: 25 Marks]

QUESTION TWO

- (a) Discuss why a food safety management system is described as being preventive, systematic and structured. [3 Marks]
- (b) Illustrate how Critical Control Points limits (CCP) are set during HACCP. [10 Marks]
- (c) Illustrate how Hazards Analysis Spreadsheets are filled out. Use examples from two different food products. [12 marks]

[Total: 25 marks]

QUESTION THREE

- (a) Broadly discuss an example of joint FAO/WHO collective International Food Standards and Quality assurance commission with respect to its objectives, role and general content. [25 Marks]

[Total: 25 Marks]

QUESTION FOUR

- (a) Define the following terms; Quality, Quality policy, Food quality, Quality management, and Quality control. [10 marks]
- (b) Write short notes on food quality attributes. [8 Marks]
- (c) What aspects would you look at when choosing construction materials in food industry? [7 Marks]

[Total: 25 marks]

QUESTION FIVE

- (a) Differentiate between the principles behind ISO 10011 and ISO 19011. [8 Marks]
- (b) Briefly discuss ISO 9000 Quality Management and Quality Assurance Standard. [8 marks]
- (c) How would you distinguish ISO 9001 from ISO 9002 and ISO 9003. [9 Marks]

[Total: 25 Marks]