



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

DEGREE IN ENVIRONMENTAL HEALTH AND FOOD  
SCIENCE

**FINAL EXAMINATION PAPER 2016**

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). **[25 Marks]**

**QUESTION TWO**

- (a) Explain the term Hazard Analysis Critical Control Points (HACCP). **[3 Marks]**
- (b) What are the main results that an effective HACCP can bring about in a food industry? **[3 Marks]**
- (c) Discuss why a food safety management system is described as being preventive, systematic and structured. **[6 Marks]**
- (d) Illustrate on how you can go about setting the Critical Control Points (CCP) in Food Processing industry. **[13 Marks]**  
**[25 marks]**

**QUESTION THREE**

- (a) Define the following terms
  - (i) Quality **[2 Marks]**
  - (ii) Quality policy **[2Marks]**
  - (iii) Food quality **[2 Marks]**
  - (iv) Quality management **[2 Marks]**
  - (v) Quality control **[2 Marks]**
- (b) You have been contracted to come up with a professional report with respect to how Swazi Can Company can improve the food quality and market of their products. What food quality factors would you concentrate on in your report? **[8 Marks]**
- (c) What aspects would you look at when choosing construction materials in food industry? **[7 Marks]**  
**[25 marks]**

**QUESTION FOUR**

- (a) Differentiate between the principles behind ISO 10011 and ISO 19011. **[8 Marks]**
- (b) 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]**  
**[25 Marks]**

**QUESTION FIVE**

- (a) Food Standards and Quality Assurance covers areas on how food industries are expected to adhere to local and international laws that cover broad range of specific food products. What is the Codex Alimentarius? **[10 Marks]**
- (b) Write short notes on any 5 volumes under Codex Alimentarius that might be relevant to Swaziland. **[10 Marks]**
- (c) Briefly outline components of the Audit plan under ISO 10011. **[5 Marks]**  
**[25 marks]**