

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN HUMAN NUTRITION  
AND DIETETICS

HNDS 0335: FOOD SAFETY AND HYGIENE

STREAMS: DIP. HNDS

TIME: 2 HOURS

DAY/DATE: MONDAY 14/04/2025

8.30 A.M. – 10.30 A.M.

**INSTRUCTIONS:**

- The paper contains section A and B
- Answer all questions in section A and any two from section B
- Marks for each question are indicated in parenthesis ( )
- Do not write anything on the question paper.
- Total marks = 70

**Section A: Answer all questions (30 Marks)**

1. Define the following terminologies (10 Marks)
  - i. Food safety
  - ii. Food intoxication
  - iii. Hazard
  - iv. Critical control points
  - v. Pre-requisite programs
2. Discuss cross-contamination and how it affects food safety. (4 Marks)
3. Discuss the different types of food hazards and their impact on health and the preventive measures for each type of food hazard. (6 Marks)
4. Briefly discuss the principles of quality management systems as applied in the food safety and quality management systems (6 Marks)

5. Explain the purpose of monitoring in the implementation and maintenance of a quality management system (4 Marks)

**Section B: Answer any TWO questions (40 Marks)**

6. (a) As a manager of a food company that is implementing a food quality and safety management system, discuss your role in the implementation process (6 Marks)  
(b) Using a product of your choice, Explain the process of developing a HACCP plan (14 Marks)
7. You are the food safety team leader in your company. You intent to implement ISO 22000 quality management system to improve on service and product quality.  
a) Describe hygiene requirements for food handling, premises, and equipment. (12 marks)  
b) Discuss the consequences of non-compliance with hygiene, quality and safety standards to the organization and the consumer. (8 marks)
8. a) How would you convince the management that there is need for a quality management system implementation? (10 Marks)  
(b) Discuss the concept of good manufacturing practices in quality management systems (10 Marks)
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