



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY
DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

FOOD SCIENCE AND TECHNOLOGY

**MODULE: Safety Health and Environmental PAPER NO: 335/22/M01
Quality Management 335/24/M01**

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1. Answer all questions in Sectional A (40 marks)**
- 2. Answer any three (3) questions in Section B (60 marks)**
- 3. Do not write your name on the answer script.**

SECTION A

QUESTION 1

- a) Define the following terms:
- i) Accuracy (2 marks)
 - ii) Precision (2 marks)
 - iii) Risk assessment (2 marks)
 - iv) Housekeeping (2 marks)
- b) Classify accidents (5 marks)
- c) Differentiate between random errors and systematic errors. (4 marks)
- d) Describe any five (5) types of injuries encountered in work places. (10 marks)
- e) Explain the effects of waste on humans and the environment. (6 marks)
- f) Briefly explain the features of a five triangle. (7 marks)

SECTION B

Answer any three (3) questions.

QUESTION 2

- a) Explain the importance of workplace safety signs. (6 marks)
- b) State six (6) key features of effective safety signs. (6 marks)
- c) Highlight the importance of conducting safety checks. (8 marks)

QUESTION 3

Discuss the four forms of risk mitigation in order to protect a business. (20 marks)

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QUESTION 4

- a) Explain the importance of standard operating procedures in a food manufacturing plant. (14 marks)
- b) Discuss the use of the following PPE
 - i) Gloves (3 marks)
 - ii) Goggles (3 marks)
 - iii) Safety mask (3 marks)

QUESTION 5

- a) Highlight the steps in a waste treatment process. (12 marks)
- b) Explain any four methods of waste disposal. (8 marks)

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