



ZIMBABWE

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

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

APPLIED CHEMICAL TECHNOLOGY

**MODULE: Safety, Health and Environmental
Management**

PAPER NO: 501/23/M08

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATES

1. Answer any five (5) questions.
2. Each question carries a total of twenty (20) marks.
3. Do not write on the question paper.
4. Do not write your name on or in the Answer booklet.

This paper consists of 2 printed pages.

QUESTION 1

Explain four (4) methods of hazard identification that can be used in the chemical industry.
(20 marks)

QUESTION 2

Discuss the importance of regularly reviewing and updating risk management practice in the manufacturing sector.
(20 marks)

QUESTION 3

Examine any four (4) components of an effective hazard control program.
(20 marks)

QUESTION 4

With aid or relevant examples, describe any four (4) waste management control methods.
(20 marks)

QUESTION 5

Outline the importance of mock drills for fire and emergency preparedness in various industries.
(20 marks)

QUESTION 6

Give an overview of any two legislation and codes of practice implemented in Zimbabwe safety and health systems.
(20 marks)

.../tez