



ZIMBABWE

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

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

CIVIL ENGINEERING

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

PAPER NO: 313/22/M01

DURATION: 3 Hours

MAY/ JUNE 2025 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

1. Answer any five (5) questions.
2. All questions carry equal marks.
3. Begin each question on a new page.

PAPER NO: 313/22/M01 – SAFETY, HEALTH AND ENVIRONMENTAL
MANAGEMENT

QUESTION 1

State the legislation governing safety and health at the workplace and write short notes on each legislation stated. (20 marks)

QUESTION 2

Describe how the following biological elements be identified as hazards in workplaces

- a) Viruses (4 marks)
- b) Insects (4 marks)
- c) Serpents (4 marks)
- d) Harmful plants (4 marks)
- e) Bacteria (4 marks)

QUESTION 3

Define the following term:

- a) Risk ranking (2 marks)
- b) Health (2 marks)
- c) Precaution (2 marks)
- d) Awareness (2 marks)
- e) First aid (2 marks)
- f) Unconscious (2 marks)
- g) Accident (2 marks)
- h) Danger (2 marks)
- i) Hygiene (2 marks)
- j) Environmental impact Assessment (2 marks)

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MANAGEMENT

QUESTION 4

- a) Identify emergency service providers one (1) can contact for an emergency rescue. (4 marks)
- b) Describe any four (4) cases where an individual might require first aid and suggest how one (1) can treat the mentioned cases. (16 marks)

QUESTION 5

- a) Define and classify non hazardous waste in construction. (11 marks)
- b) State the importance of communication with an injured victim. (9 marks)

QUESTION 6

Outline the key components of an Environmental Management System (EMS).
(20 marks)

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