



ZIMBABWE

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

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

ENVIRONMENTAL HEALTH

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

PAPER NO: 605/23/M11

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

1. Answer any five (5) questions.
2. Do not write your name in the answer booklet.

PAPER NO: 605/23/M11 – OCCUPATIONAL, SAFETY, HEALTH AND ENVIRONMENTAL MANAGEMENT

QUESTION 1

Outline the general roles and duties of an EHT with regards to occupational health and safety at a work station. (20 marks)

QUESTION 2

Discuss the following risk management concepts:

- a) Risk management planning. (5 marks)
- b) Risk identification. (5 marks)
- c) Risk quantification. (5 marks)
- d) Risk response planning. (5 marks)

QUESTION 3

- a) Briefly explain the use of toolbox talks at a bridge construction site under the following headings.
 - i) Definition. (2 marks)
 - ii) Purpose (2 marks)
 - iii) Frequency and duration (2 marks)
 - iv) Topic covered (2 marks)
 - v) Benefits (2 marks)
- b) Explain any five (5) critical benefits of conducting health and safety training sessions at bridge construction site. (10 marks)

QUESTION 4

State and explain the major steps to be followed when investigating an accident in which an EHT student on attachment has been electrocuted at the clinic. (20 marks)

QUESTION 5

- a) Briefly explain five (5) major costs associated with occupational injuries at a colliery. (10 marks)
- b) A safety committee is formed to oversee a Behaviour Based Safety (BBS) program but participation is low. Discuss five (5) strategies you would implement to increase engagement and ensure diverse representation among employees on the committee. (10 marks)

QUESTION 6

- a) Enumerate any five (5) types of inspections. (10 marks)
- b) Discuss the steps in toxicology risk assessment. (10 marks)

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