



ZIMBABWE

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

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

CIVIL ENGINEERING

SUBJECT: Safety, Health and Environmental Management PAPER NO: 313/22/M01

DURATION: 3 Hours

MAY/JUNE 2024 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1) Answer all questions.
- 2) All questions carry equal marks.

This paper consists of 2 printed pages.

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

QUESTION 1

- a) List and explain any five (5) common physical hazards found on a construction site. (10 marks)
- b) Briefly explain the core mandate of the factories and Works Act. (10 marks)
- c) State the procedure of investigating an accident. (5 marks)

QUESTION 2

- a) Describe the importance of carrying out pre task safety briefing. (10 marks)
- b) Outline any five (5) safety and health surveillance tools that you can use at a workplace. (5 marks)
- c) What is the purpose of using signage at a workplace. (5 marks)
- d) List any five (5) safety precautions in a site workshop. (5 marks)

QUESTION 3

- a) List any five (5) first aid kit contents. (5 marks)
- b) Briefly describe the cases an individual may require first aid assistance. (10 marks)
- c) Explain the importance of communicating with an injured victim while waiting for professional assistance. (10 marks)

QUESTION 4

- a) List any five (5) hazardous construction waste you have learnt. (5 marks)
- b) List and explain the agents of environmental degradation. (10 marks)
- c) Explain how one can identify appropriate positioning of sanitation facilities in relation to water resources. (10 marks)

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