



**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF ENGINEERING**

**DEPARTMENT OF CIVIL AND WATER ENGINEERING**

**ECW 1205 :OCCUPATIONAL HEALTH , SAFETY AND ENVIRONMENT**

**Main Examination Paper**

**OCTOBER 2024**

This Examination Paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Internal Examiner:

External Examiner:

**INSTRUCTIONS**

1. Answer all questions

**MARK ALLOCATION**

| <b>QUESTION</b> | <b>MARKS</b> |
|-----------------|--------------|
| 1.              | 25           |
| 2.              | 25           |
| 3.              | 25           |
| 4.              | 25           |
| <b>TOTAL</b>    |              |

### QUESTION ONE

- a) Discuss the role of the employer towards safety and health [5]
  - b) Discuss the duties of the employee towards safety and health [10]
  - c) Discuss the duties of the government towards safety and health [10]
- [25]**

### QUESTION TWO

- a) With the aid of clear examples, outline OSHA's focus four Hazards [20]
  - b) Describe the first aid procedure for someone experiencing shock [5]
- [25]**

### QUESTION THREE

- a) Describe the 5 methods of conducting Safety and Health surveillance [10]
  - b) Describe 5 pieces of legislation that are used in Safety and Health [10]
  - c) State 5 important site practices [5]
- [25]**

### QUESTION FOUR

- a) Describe five reasons to investigate a workplace incident [10]
  - b) Briefly describe five (5) the implications of accidents on a construction site [10]
  - c) Describe the term "exposure frequency" as used in occupational Health and explain with the aid examples two scenarios where it is necessary to monitor exposure frequency [5]
- [25]**