

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ARCHITECTURE AND QUANTITY SURVEYING
DEPARTMENT OF QUANTITY SURVEYING
BACHELOR OF QUANTITY SURVEYING (HONS) DEGREE
PART I FIRST SEMESTER EXAMINATIONS – DECEMBER 2005**

INTRODUCTION TO CONSTRUCTION LEGISLATION – AQS 1105

Instructions:

Answer all questions. All questions carry equal marks

Time: 2 Hours

Total marks: 100

QUESTION 1

a) Define a construction site and an accident. In your view what are the main causes of accidents on such sites? (10 marks)

b) An accident has happened on your construction site. How would investigate the case and analyze the cost thereof. (10 marks)

QUESTION 2

Chapter 12 of the Model Building By-law outlines the general safety precautions for public protection. Give a summary of these precautions highly the important points. (20 marks)

QUESTION 3

- a) Discuss the following:
- i) Strategies for preventing slips (5 marks)
 - ii) Noise and vibration hazards (5 marks)
 - iii) Domino theory of accident causation (5 marks)
 - iv) Multiple cause theory (5 marks)

QUESTION 4

What are the causes of fire on construction sites? Discuss strategies that can be implemented for the prevention of fire. (20 marks)

QUESTION 5

- a) “A ladder is a dangerous means of access to a work place”. Discuss (6 marks)
- b) You have observed a colleague working near the edge of a flat roof without parapets. Discuss the hazardous condition and the related unsafe behaviour. (4 marks)
- c) Outline the necessary precautions to minimize falling hazards on construction sites. (10 marks)

END OF EXAMINATION