

**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 2004**

INTRODUCTION TO CONSTRUCTION LEGISLATION – AQS 1105

Instructions:

Answer all questions. All questions carry equal marks

Time: 3 Hours

Total marks: 100

QUESTION 1

- a) Define the following terms
- i) division wall and division floor
 - ii) partition wall
 - iii) guard rail
 - iv) toe board
 - v) structural frame (5 marks)
- b) What are occupancy separation structures and where are they used? (5 marks)
- c) As a Project Manager for a construction firm the Chief Executive ask you to set a Health and Safety Policy. Write an example of a policy that you would draft. (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) What are the likely causes of fire hazards on a construction site? (10 marks)
- b) How can these fire accidents be prevented? (10 marks)

QUESTION 4

- a) Employers are required by the law to provide protective clothing for employees at a construction site. Why is important for the workers to have these protective clothing? (5 marks)

b) 'An untidy site can be a dangerous site'. Explain (5 marks)

c) Bearing in mind the harsh economic times faced in Zimbabwe today, how practical is the issue of 'health and safety' on a construction site? (10 marks)

QUESTION 5

a) Outline 4 hazards associated with frame erection. (4 marks)

b) What are the most important considerations when erecting a frame at the design stage? (6 marks)

c) What are the most important considerations when erecting a frame at the erection stage? (10 marks)

END OF EXAMINATION