

**NATIONAL UNIVERSITY OF SCIENCE AND TECNOLOGY**

**FACULTY OF BUILT ENVIRONMENT**

**DEPARTMENT OF QUANTITY SURVEYING**

**PART I SUPPLEMENTARY EXAMINATIONS – FEBRUARY 2010**

**INTRODUCTION TO CONSTRUCTION LEGISLATION – AQS1105**

Time: 3 hours

Total Marks: 100

**INSTRUCTIONS:**

Answer any four questions. All questions carry equal marks.

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**QUESTION ONE**

Discuss important factors to be considered for site acquisition and establishment for the construction of high rise buildings or a shopping mall. (25 marks)

**QUESTION TWO**

“Site rules are meant to safe guard workers and public safety”. Identify hazardous operations and explore how these can be prevented from developing into accidents and fatalities. (25 marks)

**QUESTION THREE**

“Safety in the context of civil engineering is the discipline of preserving the health of those who build, operate, maintain and demolish engineering works and others affected by those works”. (Davies and Tomasin, 1990)

- i) To what extent is this statement valid? (15 marks)
- ii) Discuss precautionary measures during construction work and demolitions. (10 marks)

**QUESTION FOUR**

Evaluate the legal requirements on public safety of chapter 12, Part I to Part IV of the model building by-laws of Zimbabwe. (25 marks)

**QUESTION FIVE**

By giving examples, differentiate between the following terms or phrases:-

- i) Flammable and inflammable (5 marks)
- ii) Combustible and incombustible materials (5 marks)
- iii) Partition and division walls (5 marks)
- iv) Policy and legislation (5 marks)
- v) Hazards and accidents (5 marks)

**QUESTION SIX**

Using the knowledge from your site visit (s) or case study discuss the following:-

- a) Precautionary measures against fires, floods and health hazards
- b) Management of disasters and emergencies on sites and elsewhere.

**END OF EXAMINATION**