

NATIONAL UNIVERSITY OF SCIENCE AND TECNOLOGY

FACULTY OF BUILT ENVIRONMENT

DEPARTMENT OF QUANTITY SURVEYING

PART I FIRST SEMESTER EXAMINATIONS – FEBRUARY 2010

INTRODUCTION TO CONSTRUCTION LEGISLATION – AQS1105

Time: 3 hours

Total Marks: 100

INSTRUCTIONS:

Answer any four questions. All questions carry equal marks.

QUESTION ONE

Discuss important issues that are critically considered in disaster and emergency management both on and off construction sites to ensure workers' and public health and safety.

(25 marks)

QUESTION TWO

Suppose you are a Construction site's Health and Safety Manager, how would you deal with the following matters:-

- i) Prevention of the outbreak and spread of fires. (5 marks)
- ii) Sanitary hazards (5 marks)
- iii) Workers' risky behaviours (5 marks)
- iv) Combustible and flammable materials (5 marks)
- v) Demolition of superstructures (5 marks)

QUESTION THREE

According to Chapter 12 of "Model Building By laws" Public safety is of paramount importance. Discuss the constitutional requirements stipulated from Part I to Part V of the by-laws.

(25 marks)

QUESTION FOUR

Identify and discuss the legal requirements on health, safety, protective clothing, appliances and company policy implementation as stipulated in the clauses of statutory instrument (SI) 244 of 1999. (25 marks)

QUESTION FIVE

With the aid of illustrations differentiate between the following terms or phrases:-

- i) Division and partition walls (5 marks)
- ii) Hazards and disasters (5 marks)
- iii) Risk and vulnerability (5 marks)
- iv) Domino Theory and Multiple causality (5 marks)
- v) Occupancy units and heights assessments (5 marks)

QUESTION SIX

From the group research project you carried out during site visits, or case studies perform the following tasks:-

- a) Identify the possible hazards and discuss policies or legislation put in place to avoid accidents and disasters from occurring as a result of these hazards. (15 marks)
- b) Propose strategies and policies for consideration by the constitution making body of Zimbabwe to make the built environments more habitable. (10 marks)

END OF EXAMINATION