

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF THE BUILT ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

BACHELOR OF ARCHITECTURE (HONOURS) DEGREE
2010-2011 ACADEMIC YEAR

PART V – FIRST SEMESTER SUPPLEMENTARY EXAMINATIONS – AUGUST
2011

PART V BUILDING CONSTRUCTION – AAR 5102

Instructions

Time: 3 hours

Answer all questions

QUESTION 1

The Zimbabwe Tobacco Association would like to develop urgently a tobacco auction floor building within a very short period of time. You have been commissioned to do the designs and there is emphasis for an economic and effective multi span structure.

- (a) By aid of sketch designs, illustrate the design frame to be used. (25)
- (b) Justify five reasons for your selection of this design frame against any other which could equally be used. (20)

[45]

QUESTION 2

Explain your understanding of system buildings by listing down five requirements for a unit panel.

[15]

QUESTION 3

- a) By aid of sketch designs, explain application for a rain screen cladding. [25]
- b) Outline three (3) requirements for materials used for sealing construction joints.(15)

[40]