

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF THE BUILT ENVIRONMENT

**BACHELOR OF QUANTITY SURVEYING (HONOURS) DEGREE
PART I SUPPLEMENTARY EXAMINATIONS OCTOBER 2009**

**THEORY AND PRACTICE OF QUANTITY SURVEYING AND PROJECT
MANAGEMENT II AQS1201**

Time: 3 Hours

TOTAL Marks: 100

Instructions to candidates:

- a) Answer 5 questions*
- b) Each question carries 20 marks.*
- c) Where information is insufficient, candidates are allowed to make reasonable assumptions. Assumptions made must be stated.*

Question 1

Why is the use of project management principles necessary during the pre contract stage of a construction project?

(20 marks)

Question 2

Define the following project management terms

- a) Initiation and concept stage
- b) Network diagram
- c) Matrix organization
- d) Project Plan

(20 marks)

Question 3

What are the likely risks associated with carrying out a construction project in a hyper inflationary environment and how would you mitigate against these risks? (20 marks)

Question 4

A client wants to build lodges to be used during the 2010 World Cup soccer. There is not much time left before the start of the soccer tournament. Recommend to the client an appropriate way of selecting a contractor given the time constraint
(12 marks)

Describe the process of preparing Bills of Quantities using the traditional method.
(8 marks)

Question 5

What is open tendering? Using examples, explain its advantages and disadvantages.
(20 marks)

Question 6

Explain using example the importance of the following as they are used in Quantity Surveying:-

- i. Cost checking
 - ii. Variations
 - iii. Final Account
 - iv. Certificate of Final Completion
- (20 marks)

Question 7

What is the role of a Quantity Surveyor during the pre tender stage of a project?
(20 marks)

END OF EXAMINATION