

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF BUILT ENVIRONMENT

BACHELOR OF QUANTITY SURVEYING (HONOURS) DEGREE:

PART I FIRST SEMESTER EXAMINATIONS APRIL 2009

THEORY AND PRACTICE OF QUANTITY SURVEYING AND PROJECT -AQS1101

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

Discuss 5 ways by which a Project Manager adds value during the project life cycle (20 marks)

Question 2

Define the following project management terms

- a) Program (5 marks)
- b) Work break down structure (5 marks)
- c) Matrix organization (5 marks)
- d) Project Plan (5 marks)

Question 3

Discuss the risk management process commonly used in construction project management (20 marks)

Question 4

- a) List the types of Bills of Quantities commonly used in the construction industry. Where would you use each one of them. (12 marks)
- b) Describe the process of preparing Bills of Quantities using the traditional method (8 marks)

Question 5

What is tendering? Explain the procurement methods commonly used to select contractors
(20 marks)

Question 6

Explain using examples the importance of the following as they are used in Quantity Surveying

- i) Cost control (5 marks)
- ii) Interim Valuations (5 marks)
- iii) Final Account (5 marks)
- iv) Certificate of Practical Completion (5 marks)

Question 7

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

END OF EXAMINATION