

NATIONAL UNIVERSITY OF SCIENCE AND TECNOLOGY

FACULTY OF BUILT ENVIRONMENT

DEPARTMENT OF QUANTITY SURVEYING

PART I EXAMINATIONS FEBURARY – 2010

THEORY AND PRACTICE OF QUANTITY SURVEYING AND PROJECT

MANAGEMENT I – AQS1101

Time: 3 hours

Total Marks: 100

INSTRUCTIONS:

Answer any four questions. All questions carry equal marks.

QUESTION ONE

The principal function of the client's Quantity Surveyor is the preparation of the Bills of Quantities. The client's Quantity Surveyor also performs a number of other functions.

Clearly outline the other functions of a Quantity Surveyor making the distinction between financial and contractual duties. (25 marks)

QUESTION TWO

- a) What is meant by the term "Bills of Quantities" and "Standard Method of Measurement?" (2 marks)
- b) What are the functions of the Bills of Quantities? (5 marks)
- c) List the advantages and disadvantages of the Bills of Quantities? (8 marks)
- d) Give a detailed description of the basic information contained in the Bills of Quantities. (10 marks)

QUESTION THREE

Discuss the following traditional procurement methods and state the circumstances where these contracts would be used.

- a) Based on firm Bills of Quantities (5 marks)
- b) Based on a Schedule of Rates (5 marks)
- c) Based on Prime Cost Plus Fee (5 marks)
- d) Based on Bills of Approximate Quantities (5 marks)

e) Based on Drawings and Specification (5 marks)

QUESTION FOUR

- a) Discuss any three types of alternative procurement methods. (9 marks)
- b) What are the advantages of each of the alternative procurement methods mentioned above? (9 marks)
- c) How applicable are they to the Zimbabwean economic situation? (7 marks)

QUESTION FIVE

- a) Define tendering and outline the procedure in serial tendering. (10 marks)
- b) Identify and discuss the tender documents used in the construction industry. (10 marks)
- c) The Professional Quantity Surveyor is supposed to examine the priced Bills of Quantities (BOQs). What does the PQS look for when examining the BOQs? (5 marks)