NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF BUILT ENVIRONMENT

BACHELOR OF QUANTITY SURVEYING (HONOURS) DEGREE

PART II SECOND SEMESTER EXAMINATIONS – MAY 2014

CONSTRUCTION ESTIMATES AND PRICING – AQS2205

Time: 3 Hours Total Marks: 100

Instructions
All questions carry equal marks
Answer all questions in section A and any two in section B

SECTION A

QUESTION ONE

With the aid of examples, describe the two approaches to elemental cost plans (25 marks)

QUESTION TWO

Build up the unit rates for the items below

Item	Description	Unit
1	One coat 1:4 cement plaster finished smooth with a wood float externally on walls	m^2
2	Hard-core base course under solid floors of approved non expensive material supplied and carted on by Contractor, levelled, well watered and compacted in layers not exceeding 150mm thick to 95% HCE density	m^3

Material prices

Cement - $ 12.00/ bag, Sand - $ 20.00/m^3, Gravel-$35.00/ m^3

Labour

Plasterer- $ 5.00/hour, Worker Grade 1- $ 2.50/hour

All assumptions made should be clearly stated (25 marks)

SECTION B

QUESTION THREE

a) Differentiate "Net pricing" and "Gross pricing".
(5 marks)

b) Explain the estimator's considerations in computations for general overheads and profit for a typical construction project (20 marks)

QUESTION FOUR

a) Discuss the different factors that affect the 'decision to tender' within a contractor organisation (15 marks)

b) Describe the constituents of an 'all-in hourly rate' for a $6m^3$ Tipper truck (10 marks)

QUESTION FIVE

a) With the aid of examples, describe how an estimator can price for non-recoverable increases in a firm price tender (15 marks)

b) Discuss the sources of error in construction estimates (10 marks)

END OF EXAMINATION