



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF THE BUILT ENVIRONMENT

DEPARTMENT OF QUANTITY SURVEYING

MEASUREMENT I

AQS 1203

Supplementary Examination Paper

July 2015

This examination paper consists of 2 pages

Time Allowed: 4 hours

Total Marks: 100

Special Requirements: SMM booklet, Takeoff paper, Abstract, Bill paper

Examiner's Name: R. Muvungani

INSTRUCTIONS

1. Answer all questions
2. Each question carries 25 marks
3. Use of calculators is permissible

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
TOTAL	100

Question One

Making use of the attached drawing on fig 1, take off all substructure works up to dpc level. [50 marks]

Question Two

- a) From the take-off done on question one, prepare an abstract for brickwork and concrete work items. [13 marks]
- b) Prepare a bill extract for the same items. [12 marks]

Question Three

Use fig 1 attached together with the following specifications to take off all window items.

Windows specifications:

- i. Aluminum window frames
- ii. 5 mm bronze glazing for all windows
- iii. 20mm polished granite for internal and external cills
- iv. Walls are plastered and painted with PVA paint
- v. Precast concrete lintels to be used
- vi. The windows **do not** have burglar bars and pelmets

Make reasonable assumptions where some information is not given [25 marks]