

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**FACULTY THE BUILT ENVIRONMENT**  
**DEPARTMENT OF QUANTITY SURVEYING**  
**BACHELOR OF QUANTITY SURVEYING (HONOURS) DEGREE**  
**PART II SUPPLEMENTARY EXAMINATIONS AUGUST 2013**  
**MEASUREMENT II- AQS2208**

**TIME:** 3 Hours

**TOTAL MARKS:** 100

**INSTRUCTIONS:**

Answer **all** Questions

Standard method of measurement booklet and Take-off paper will be provided

Drawings are not to scale

All questions refer to drawing S13/01 and S13/02

All assumptions on missing information should be clearly stated

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**Question 1**

Take-off measurements for the substructure

(50 marks)

**Question 2**

Take-off measurements for the concrete superstructure frame

(50 marks)

**Note:**

Use concrete grade 30 for all reinforced concrete and grade 20 for mass concrete

Allow 150kg/m<sup>3</sup> for reinforced concrete in all levels

**END OF EXAMINATION**