NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF BUILT ENVIRONMENT

DEPARTMENT OF QUANTITY SURVEYING

PART II SUPPLEMENARY EXAMINATIONS - AUGUST 2011

MEASUREMENT II – AQS2208

Time: 3 Hours Total Marks: 100

Instructions

Answer all questions

Take off paper and SMM booklets to be provided.

QUESTION ONE

Referring to attached drawings take off quantities for the following concrete works

i) Concrete bases and foundation columns only including formwork & reinforcement

(15 marks)

ii) All Concrete slabs including formwork & reinforcement

(15marks)

iii) Concrete walls and columns including formwork & reinforcement

(20marks)

iv) All Concrete beams including formwork & reinforcement

(20marks)

Use the following data

Concrete grade 30

Reinforcement 90kg/m³ in column bases

180kg/m³ in columns 110kg/m³ in slabs 200kg/m³ in beams

Assumption on missing information should be clearly stated.

QUESTION TWO

a) Prepare squaring for the measured works in question one

(30 marks)