

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF THE BUILT ENVIRONMENT

BACHELOR OF QUANTITY SURVEYING

PART 1 SECOND SEMESTER EXAMINATIONS MAY 2013

MEASUREMENT 1 – AQS 1203

Time: 3 hours

Total Marks: 100

Instructions to candidates

Answer Question 1 and any other Two

QUESTION ONE

Using the attached drawing number AQS A1203/1 take off all foundation items up to DPC level state all the necessary assumptions where information is not provided **(50 marks)**

Take note of the following

- i. Depth of foundation is 1000mm from ground level
- ii. Allow 1000mm both sides for site clearance
- iii. Depth of top soil to be removed is 150mm
- iv. DPC is 150mm above ground level

QUESTION TWO

Using drawing number AQS A1203/1, take off and square all superstructure brickwork items and make adjustment for openings **(25 marks)**

QUESTION THREE

Using the finishing schedule below, take off and square the following from attached drawing number AQS A1203/1

- i. Wall finishes
- ii. Floor finishes

(25 marks)

FINISHING SCHEDULE

Location	Floor	Skirting	External walls	Internal walls
Bedrooms	Wood block tiles	75mm wood skirting	Wood float plaster, 1 undercoat & 2 finishing cts PVA	Steel float plaster, 1 undercoat & 2 finishing cts PVA
kitchen	Ceramic tiles	100mm ceramic tile to match floor	Wood float plaster, 1 undercoat & 2 finishing cts PVA	Steel float plaster, 1 undercoat & 2 finishing cts PVA
Lounge and dining	Woodblock tiles	75mm wood skirting	Wood float plaster, 1 undercoat & 2 finishing cts PVA	Steel float plaster, 1 undercoat & 2 finishing cts PVA
bathroom	Ceramic tiles	100mm ceramic tile to match floor	Wood float plaster, 1 undercoat & 2 finishing cts PVA	Steel float plaster, 1 undercoat & 2 finishing cts PVA
passage	Ceramic tiles	100mm ceramic tile to match floor	Wood float plaster, 1 undercoat & 2 finishing cts PVA	Steel float plaster, 1 undercoat & 2 finishing cts PVA

QUESTION FOUR

- a. Explain the following terms as they are used in measurement
 - i. Deemed to be included **(2 marks)**
 - ii. Dotting on **(2 marks)**
 - iii. Ditto **(2 marks)**
 - iv. Extra over **(2 marks)**

- b. What is the purpose of Bill of Quantities **(7 marks)**
- c. Differentiate the duties of a Quantity surveyor working for a contractor to those working for a consultant **(10 marks)**

END OF EXAMINATION