



FIRST SEMESTER EXAMINATION 2018/2019 SESSION
COURSE CODE: QTS211 COURSE TITLE: *Principles of Measurement*
TIME ALLOWED: 2 Hours CREDIT LOAD: 2 Units
INSTRUCTION: Attempt question 1 and any other two questions only.

1. Take off all works in the substructure of the building in the attached drawing marked QTS211/2019 [40 marks]

2. (a) Explain briefly what is meant by 'foundation spread'?
(b) Name and explain three types of drawings used in taking off? [10 marks]

3. (a) Describe how centre-line girth is calculated?
(b) What is meant by these terms – 'in to in'; 'centre to centre'; out to out' with respect to dimensions on drawings? [10 marks]

4. (a) Give the full meaning of the abbreviation BESMM and explain what it is used for?
(b) Explain the term 'mean girth'? [10 marks]