



SECOND SEMESTER EXAMINATION 2018/2019 SESSION

COURSE CODE: QTS221 COURSE TITLE: CONSTRUCTION MEASUREMENT I

TIME ALLOWED: 2 1/2 Hours

CREDIT LOAD: 2 Units

INSTRUCTION: Attempt all questions.

Use of calculators and scale rules is allowed.

THE USE OF BESMM IS NOT ALLOWED.

1. Take off for external walls only in the superstructure of the building in the attached drawing marked QTS221/A and QTS221/B. **[25 marks]**

2. Take off for roof of the building in the attached drawing marked QTS221/A and QTS221/B. **[25 marks]**

3. (a) What is meant by 'hook' and how is it calculated in taking off for reinforcement?
(b) Identify the parts of roof that make up a roof truss?
(c) Give brief definitions of the following terms:
 - (i) Soffit
 - (ii) Purlin
 - (iii) Barge board

[10 marks]