

QTS 220/221 (Bldg & QS STUDENTS) 370 ✓
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF ENVIRONMENTAL TECHNOLOGY
DEPARTMENT OF QUANTITY SURVEYING



SECOND SEMESTER EXAMINATION 2017/2018 SESSION

COURSE CODE: QTS 221 COURSE TITLE: CONSTRUCTION MEASUREMENT II

TIME ALLOWED: 2 Hours

CREDIT LOAD: 3 Units

INSTRUCTION: Attempt all Questions.

QUESTION ONE

Using the drawings labeled FUTMX/SET/QS/2018/221A, the foundation details on drawing No. FUTMX/SET/QS/2018/221B and the specification notes given below take-off for the following;

- (i) Substructure complete
- (ii) Super structure complete making all necessary adjustment where necessary.

QUESTION TWO

Using the drawings labeled FUTMX/SET/QS/2018/221B-C and the specification notes given provide on the drawing, take-off for the Roof works not excluding the roof structures and the coverings.

Site and Specification

1. Topsoil of average depth 150mm to be preserved in temporary spoil heaps 20.00m away from excavation site.
2. Plain in-situ concrete to be (1:2:4-19mm agg.)
3. Reinforced in-situ concrete (1:3:6- 38mm agg.)
4. Block work to be 225mm thick hollow sandcrete blocks in cement and sand mortar 1:3, and filled solid with weak concrete (1:4:8-40mm agg.)