## FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA SCHOOL OF ENVIRONMENTAL TECHNOLOGY DEPARTMENT OF QUANTITY SURVEYING

FIRST SEMESTER EXAMINATION 2017/2018 SESSION

COURSE CODE: QTS 511 COURSE TITLE: ADVANCED BUILDING MEASUREMENT I

TIME ALLOWED: 3 Hours

**CREDIT LOAD: 3 Units** 

INSTRUCTION: Answer all questions; Only BESMM3/4 are allowed; and all assumptions must

be clearly and reasonably stated

## Question One:

- a) Use the attached Drawing No QTS511/2018/01a and Detail 02 to take off quantities complete for the foul drains above ground level ......(15 Marks).

## Question Two:

Drawing No QTS511/2018/02 are the sectional views and pans of a cold-water installation for a proposed staff-quarters residential development of the Federal university of Technology, Minna. You are required to use the drawing and Detail 01 to take off quantities for the following:

- b) Sanitary Appliances...... (5 Marks)

## Question Three:

- a) Drawing No QTS511/2018/03a is a plan and section of a North light barrel vault shell roof. You are required to take of quantities for the following:

- c) Drawing No QTS511/2018/03c is a plan and section of Fuel and Gas Station. Use the drawings to take off quantities for the following:

  - ii) Fuel storage tank and insulation......(2 Marks)