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FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
SCHOOL OF ENVIRONMENTAL TECHNOLOGY  
DEPARTMENT OF QUANTITY SURVEYING  
FIRST SEMESTER EXAMINATION 2016/2017 SESSION

COURSE TITLE: Construction Measurement V

COURSE CODE: QTS 411

LEVEL : 400 Level

INSTRUCTION: Answer all questions

TIME ALLOWED: 2½ Hours

- Q1. Use the attached drawing (DWG/QS/01) to take-off quantities for:
- a) Structural Steelwork and
  - b) Stairs (in-situ R.C)
- (30 Marks)**
- Q2. Discuss the following alternative Bill format:
- a) Elemental Bill, b) Operational Bill, and c) Activity Bill
- (15 Marks)**
- Q3. What is Preamble? Give 5 samples of preamble clauses with respect to Excavation and filling.
- (11 Marks)**
- Q4. Outlines the two separate and distinct types of items contains in the preliminaries section of a bill of quantities.
- (4 Marks)**

**Drawing (DWG/QS/01) 2016/2017 First Semester**

