



FIRST SEMESTER EXAMINATION 2018/2019 ACADEMIC SESSION
COURSE CODE: QTS 511 COURSE TITLE: ADVANCED BUILDING MEASUREMENT I
TIME ALLOWED: 3 Hours CREDIT LOAD: 3 Units
INSTRUCTION: Answer questions 1&2 and any other one question from 3 or 4.
Only BESMM3/4 are allowed. All assumptions must be clearly and reasonably stated

Question One:

- a) Use the attached Drawing No QTS511/FUM/2019/01 to take off quantities complete for the structural steel overhead tank stand.....(15 Marks)
- b) Prepare a detailed Abstracting for the work.....(7 Marks)
- c) Prepare a draft 'work section' bill of quantities for the work.....(8 Marks)

Question Two:

- a) Use the attached Drawing No QTS511/FUM/2019/02 to take off complete for the concrete helical staircase.....(10 Marks)
- b) Prepare a draft 'trade section' bill of quantities for the work.....(5 Marks)

Question Three:

- a) What is bill of approximate estimating.....(3 Marks)
- b) Demonstrate the processes of preparing a 'bill of approximate estimating' for a sub-structural work using dimensions of your choice.....(5 Marks)
- c) State the general rules of preparing 'abstracting' and those of the bills of quantities.....(7 Marks)

Question Four:

- a) Demonstrate with practical examples, the major distinction between the following:
 - i. Prime cost and provisional sums.....(3 Marks)
 - ii. Preliminaries and Preamble.....(3 Marks)
 - iii. Work section and Sectionalised bill format.....(3 Marks)
 - iv. Operational and Activity bill format.....(3 Marks)
- b) Enumerate the major advantages of 'direct billing' process that outmoded the abstracting process of bill preparation.....(3 Marks)