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

COURSE TITLE: Advanced Building Measurement I

COURSE CODE: QTS 511 LEVEL: 500L

TIME ALLOWED: 21/2 Hours

INSTRUCTIONS: Answer all questions; Only BESMM3 and BESMM4 are allowed; and

All assumptions must be clearly and reasonably stated

Question One

Drawing No QTS511/2017/01 is a sectional view of a cold-water installation for a proposed residential development at the Gidan K wano campus of the Federal university of Technology, Minna. You are required to use the attached drawing (Drawing No QTS511/2017/01) and **Detail 01** to take off quantities for the following:

a)	Cold water installation (Complete)	(2.2)	Marks)
	Sanitary appliances	(5	
c)	Hot water cylinder and boiler		Marks)

Question Two

Use the attached Drawing No QTS511/2017/02 and Detail 02 to take off quantities for the following in drains below ground level:

Question Three See Drawing No QTS 511/2017/03).
The management of the Federal University of Technology, Minna is proposing to construct a

The management of the Federal University of Technology, Minna is proposing to construct a 10-storey office building for the staff of S.E.T. It is required that installation of a lift in the building will provide a means of vertical transportation within floors. You have been consulted as a final year student of QS department of the institution to take off for:

a)	Lift shaft	(concrete work a	and formwork	only)	(6 Marks)
----	------------	------------------	--------------	-------	-----------

- b) Lift machine and general builders' work...... (4 Marks)