



TECHNICAL UNIVERSITY OF MOMBASA
**Faculty of Engineering &
Technology**

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
**UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN CIVIL ENGINEERING
(BSCE Y3 S2)**

ECE 2114: ENGINEERING DRAWING II

**END OF SEMESTER EXAMINATION
SERIES: APRIL 2014
TIME ALLOWED: 2 HOURS**

Instructions to Candidates:

You should have the following for this examination

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

All questions carry equal marks

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Study the set of architectural drawings consisting of a plan, sectional elevation and elevations and use them to answer the questions

Question One (COMPULSORY)

a) Draw the foundation plan at a scale of 1:100.

(20 marks)

b) Draw the roof plan at a scale of 1:100. (10 marks)

Question Two

Draw elevation 01 at a scale of 1:100. (20 marks)

Question Three

Draw sectional elevation B-B at a scale of 1:100 (20 marks)

Question Four

Draw an outline of the waste water drainage system for the house at a scale of 1:50 showing:

- a) Plan (10 marks)
- b) Sectional elevation (10 marks)

Question Five

Draw an outline of the electrical system for the house at a scale of 1:100 showing:

- a) Wiring connections for ceiling fans (10 marks)
- b) Wiring connections for light fittings (10 marks)