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 2216: ENGINEERING DRAWING IV

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** printedpages

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

Question One (COMPULSORY)

Draw ground floor plan at a scale of 1:100 **(30 marks)**

Question Two

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

Question Three

Draw elevation 02 at a scale of 1:100 **(20 marks)**

Question Four

Draw at a scale of 1:25 The reinforced concrete details of a typical and show the following column footing:

a) Plan **(10 marks)**
b) Section **(10 marks)**

Question Five

Draw at a scale of 1:25 a section through an internal wall and show the following:

a) 50mm concrete blinding (1:4:8)
b) Strip foundation with reinforcements
c) 200mm masonry walling
d) 300mm approved hardcore
e) 50mm murram blinding
f) 150mm thick concrete slab (1:3:6)
g) Damp proof membrane (DPM)
h) Damp proof course (DPC) **(20 marks)**