



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING & CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:
DIPLOMA IN BUILDING AND CIVIL ENGINEERING

EBC 2103 : COMPUTER AIDED DRAWING & DESIGN

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2016

TIME: 2 HOURS

DATE: 22 Dec 2016

Instructions to Candidates

You should have the following for this examination

- *Answer Booklet, examination pass and student ID*
- *Drawing instruments.*
- *Laptop or desktop*

This paper consists of five questions.

Attempt any THREE questions.

Do not write on the question paper.

QUESTION ONE

Using appropriate coordinate entries, write down a follow up of all commands required to enter the points below

- Command: line, begin at point 0, 0. Draw a line to the right at 5000mm next @0,650 then close
- Command: line, begin at point 8, 2.Type @100<45,next @100<275,next@100<315 then close

(20 marks)

QUESTION TWO

Drawing 1 is a sketch for a self-contained bedsitter, Create layers and redraws. Create layers for

- Doors
- Windows
- Walls
- Text
- Roof

Each layer to have its own color, line weight and line type

(20 marks)

QUESTION THREE

Using line illustration, describe how to:

- a. Trim intersecting lines
- b. Draw tangents using OSNAP tangent
- c. Fillet @ radius 100
- d. Extend one line to another
- e. Mirror an object to the side of another

(20 marks)

QUESTION FOUR

Describe:

- I. Polar co-ordinates
- II. Absolute co-ordinates
- III. Relative co-ordinates

(20 marks)

QUESTION FIVE

Draw and design a detailed section through a roof

(20 marks)

Drawing 1

