



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING & CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:
DIPLOMA IN IN BUILDING AND CIVL ENGINEERING

EBC 2103 : COMPUTER AIDED DRAWING AND DESIGN

SPECIAL SUPPLEMENTARY EXAMINATION

SERIES: SEPT. 2017

TIME: 2 HOURS

DATE: 16 Sep 2017

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

-Drawing instruments.

This paper consists of **FIVE** questions. Attempt **any THREE** questions.

Do not write on the question paper

Mobile Phones are NOT allowed inside the examination room

QUESTION ONE

Describe the tools below as used CADD

- AutoCad version number
- Standard tool bar
- Draw tool bar
- Layers toolbar
- Co-ordinate read out
- Command line

(20 marks)

QUESTION TWO

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 THREE

Describe:

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

(20 marks)

QUESTION FOUR

Using polygon and line commands describe how to:

- I. Circumscribe a polygon of 8 sides
- II. Draw a rectangle any size
- III. Extend one line to another
- IV. Do a polar array

(20 marks)

QUESTION FIVE

Define array command. Describe how to do a rectangular array for a 10 sided polygon.

(20 marks)