

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBCE)
EBC 2103: COMPUTER AIDED DRAWING & DESIGN

END SEMESTER EXAMINATION

SERIES: AUGUST 2019

TIME: 2 HRS

INSTRUCTIONS TO CANDIDATES:

You should have the following for this examination

-Answer booklet

-Laptop or desktop computer

This paper consists of FIVE questions. Attempt any THREE questions

Maximum marks for each part of a question are shown

This paper consists of THREE printed pages

QUESTION ONE

Create Layers and Redraw the two bedroom rental unit shown in Figure 1 complete with a title block, plot it in PDF and save on the desktop.

(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

Create layers, Design and draw the foundation plan for Figure 1 complete with a title block, plot it in PDF and save on the desktop.

(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
- I. Chamfer at radius 20

(20 marks)

QUESTION FIVE

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

(20 marks)