Faculty of Engineering & Technology

Department of Building & Civil Engineering

UNIVERSITY EXAMINATION FOR DIPLOMA IN:

DIPLOMA IN CIVIL ENGINEERING

DBCE/Sept 2015/S-FT

DBCE/May 2014/M-FT

EBC 2103 COMPUTER AIDED DESIGN & DRAWING

END OF SEMESTER EXAMINATION

SERIES: MAY 2016

TIME ALLOWED: 2 HOURS

Instruction to Candidates;

You should have the following for this examination;
- *Answer booklet*

This paper consists of FIVE questions. Answer ANY THREE questions.
Use neat, large and well labelled diagrams where required
Maximum marks for each part of a question are as shown
This paper consists of THREE printed papers

QUESTION ONE

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

I.   Command: line, begin at point 0, 0. Draw a line to the right at 5000mm next @0,650 then close
II.   Command: line, begin at point 8, 2.Type @100<45,next @100<275,next@100<315 then close
III. Command: circle, begin at point 70, 100, next R: 750

(20 marks)

QUESTION TWO

 Describe the tools below as used CADD

a. Autocad version number
b. Standard tool bar
c. Draw tool bar
d. Layers toolbar
e. Co-ordinate read out
f. Command line

(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)