MACHAKOS UNIVERSITY

DATE: 7/5/2019   **TIME: 8.30-10.30 AM**

INSTRUCTIONS:

Answer Question One (Compulsory) and Any Other Two Questions

QUESTION ONE (30 MARKS)

a) State SIX advantages that CAD has over the conventional drafting method.   (12 marks)

b) Explain the meaning of the following commands:-

   i.   Erase

   ii.   Mirror

   iii.   Offset

   iv.   Array   (12 marks)

c) State TWO purposes of the command line.   (6 marks)

QUESTION TWO (20 MARKS)

a) With the aid of a sketch, explain the CAD station.   (10 marks)

b) Write the procedure of setting paper size (1105 , 801)   (5 marks)

c) State the purpose of the MOVE command,   (5 marks)

QUESTION THREE (20 MARKS)

a) Explain THREE method of invoking commands in AutoCAD   (9 marks)

b)   Explain THREE methods of drawing lines in AutoCAD   .   (9 marks)

c)   Explain the purpose of the COMMAND window.   (2 marks)

QUESTION FOUR (20 MARKS)

a)   Explain the procedure of loading a CENTRE LINE on an AutoCAD screen.   (6 marks)

b)   State the procedure of changing the AutoCAD screen background color.   (6 marks)

c)   Explain the function of the OFFSET command.   (4 marks)

d)   Explain the function of the ARRAY command.   (4 marks)

QUESTION FIVE (20 MARKS)

Write the procedure of executing the following:-

a)   FILLET command.   (10 marks)

b)   CIRCLE command   (10 marks)