



MACHAKOS UNIVERSITY
SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
DIPLOMA II – SEM. II
AutoCAD I

UNIT CODE:

INSTRUCTIONS TO CANDIDATES:

- Answer booklet

SECTION A (Compulsory)

1. (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)

SECTION B (Answer any TWO questions from this section)

2. (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)
3. (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)
4. (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)
5. Write the procedure of executing the following :-
(a) FILLET command. (10 marks)
(b) CIRCLE command (10 marks)