



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

THIRD YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN MOTOR

VEHICLE ENGINEERING

SUPPLEMENTARY EXAMINATION

EED 304: AUTOCAD

DATE: 31/8/2017

TIME: 2:00 – 4:00 PM

INSTRUCTIONS

Answer all questions in Section A and choose any other TWO in Section B

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)