



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN
MECHANICAL ENGINEERING (PRODUCTION OPTION)**

MED – PR 311: COMPUTER AIDED DRAWING

DATE: 24/7/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

SECTION A: COMPULSORY (30 MARKS)

1. a) Describe the procedure of setting up a 3-D modelling AutoCAD working space from AutoCAD Classic. (3 marks)
- b) Explain the Six tool bars necessary for drawing 3-D modelling in AutoCAD. (12 marks)
- c) Reproduce figure 1 in 3-D using AutoCAD software (15 marks)

SECTION B: ANSWER ANY OTHER TWO QUESTIONS

2. Reproduce Figure 2 exactly as indicated using AutoCAD software (20 marks)
3. Reproduce Figure 3 exactly as indicated using AutoCAD software (20 marks)
4. Reproduce Figure 4 exactly as indicated using AutoCAD software (20 marks)
5. Reproduce Figure 5 exactly as indicated using AutoCAD software (20 marks)