



MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

CERTIFICATE IN ELECTRICAL AND ELECTRONIC ENGINEERING

EPC 112: TECHNICAL DRAWING II

DATE: 8/5/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question one and any other two questions

QUESTION ONE (30 MARKS)

- a) Draw and name five types of lines used in technical drawing. (10 marks)
- b) Draw the following electrical symbols
 - i. Capacitor
 - ii. Inductor
 - iii. Resistor
 - iv. AC source
 - v. Transistor
 - vi. Diode
 - vii. Triac
 - viii. DC source
 - ix. Potentiometer
 - x. Generator (10 marks)
- c) Draw an isometric cuboid of 50 X 60 X 80 (10 marks)

QUESTION TWO (20 MARKS)

- a) Draw the symbol for third angle projection (3 marks)
- b) Draw the figure 1 in third angle projection (17 marks)

QUESTION THREE (20 MARKS)

Sketch the isometric figure 2 of the orthographic projections below

QUESTION FOUR (20 MARKS)

Sketch the figure 3 in cabinet projection

QUESTION FIVE (20 MARKS)

Convert the following orthographic projection to a cabinet figure. Figure 4