



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FIRST YEAR THIRD SEMESTER EXAMINATION FOR

DIPLOMA IN ELECTRICAL ENGINEERING

ELECTRICAL DRAWING

DATE: 18/12/2020

TIME: 11:30 – 2:30 PM

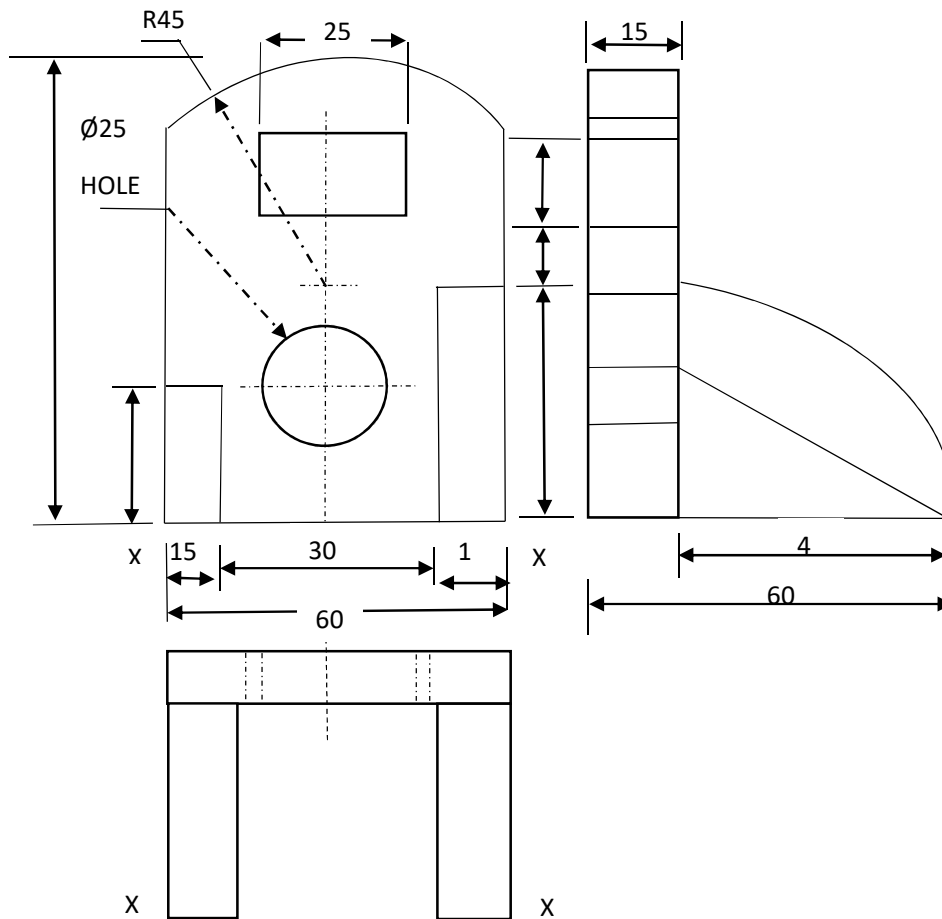
INSTRUCTIONS TO CANDIDATES

Answer all the questions

- 1 a) Draw an ellipse given 120mm as the major axis and 80mm as the minor axis.

(10 marks)

b) Draw an external tangent using two un equal circles of 60mm and 40mm
diameter respectively separated by a span of 80mm. (10 marks)
2. The figure below shows a machine drawn in first angle, draw a full isometric drawing
of the same (20 marks)



3. Draw a 40mm sides isometric box and inscribe a circle in its three sides (20 marks)
4. Complete the table below (20 marks)

KEY		KEY			
SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION
1			10		
2			11		
3			12		
4			13		
5			14		
6			15		
7					

