



ENGG105 ENGINEERING DESIGN FOR SUSTAINABILITY

AUTOCAD LAB ASSESSMENT

O

PART A (80 MARKS)

1. Draw the 2D drawing given below (Figure 1) using AutoCAD and dimension it.

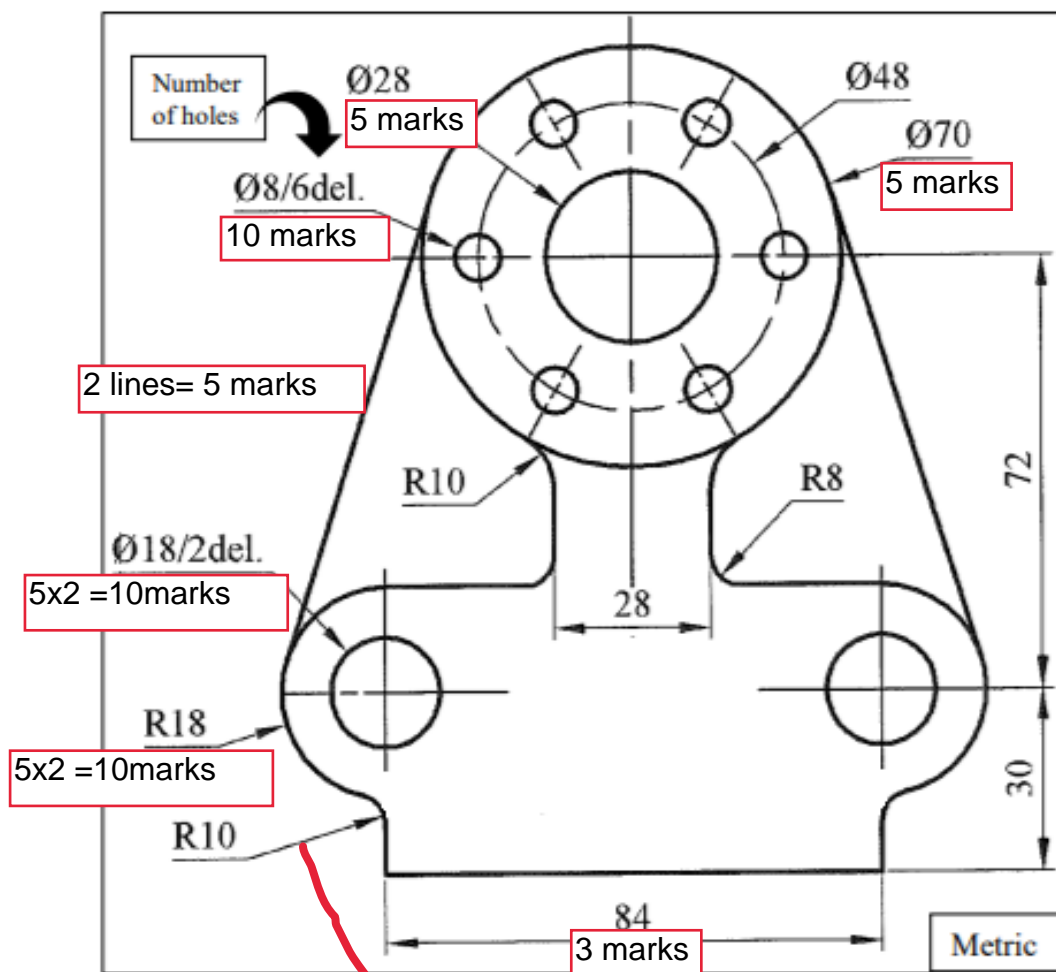


Figure 1

10 marks dimensions
10 marks accuracy

6 fillet = 6 x 2 = 12 marks

PART B (20 MARKS)

2. Draw the 3D model given below (Figure 2) using AutoCAD.

front view 10 marks

extruded= 5 marks

5 marks accuracy

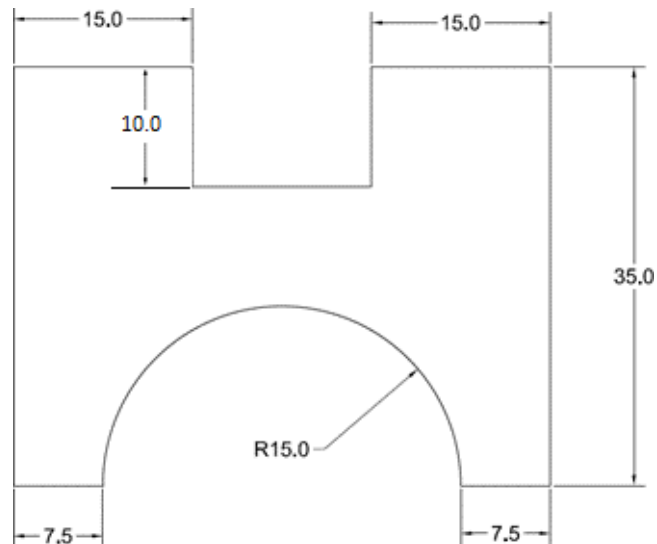
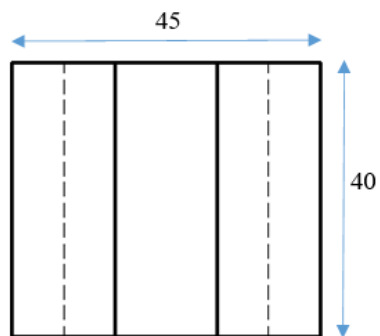
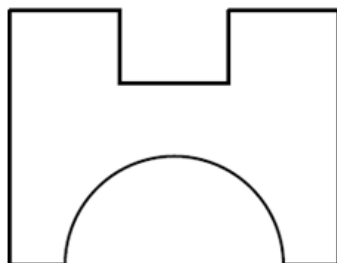


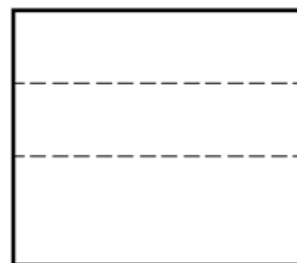
Figure 2a: Detailed front view



Top view



Front view



Side view

Figure 2b: Orthographic views