



MACHAKOS UNIVERSITY

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Second Year First Semester Special Examination for Certificate in Building Construction Technology

BCEBT 201:

COMPUTER AIDED DESIGN I

Date: --/08/2018

Time: 8:30 -11:30 am

Instructions:

- *This paper consists of **Three** questions.*
- *Answer **All** questions.*
- *Maximum marks for each part of the question are as shown.*

Using the attached figures and given specifications carry out the tasks given in the following questions:

All dimensions are in mm
Drawing scale : 1:2
Pen width : 0.35mm black
Grid spacing : 10mm
Dimension lines : 0.13mm black
Dimension text : Times New Roman
Font size : 2.0mm

1. Draw and annotate the pattern shown in figure 1.
(10 marks)
2. Draw and annotate the block shown in figure 2 in isometric projection
(25 marks)
3. Draw and annotate the three views of the block shown in figure 2 in first angle orthographic projection.
(15 marks)

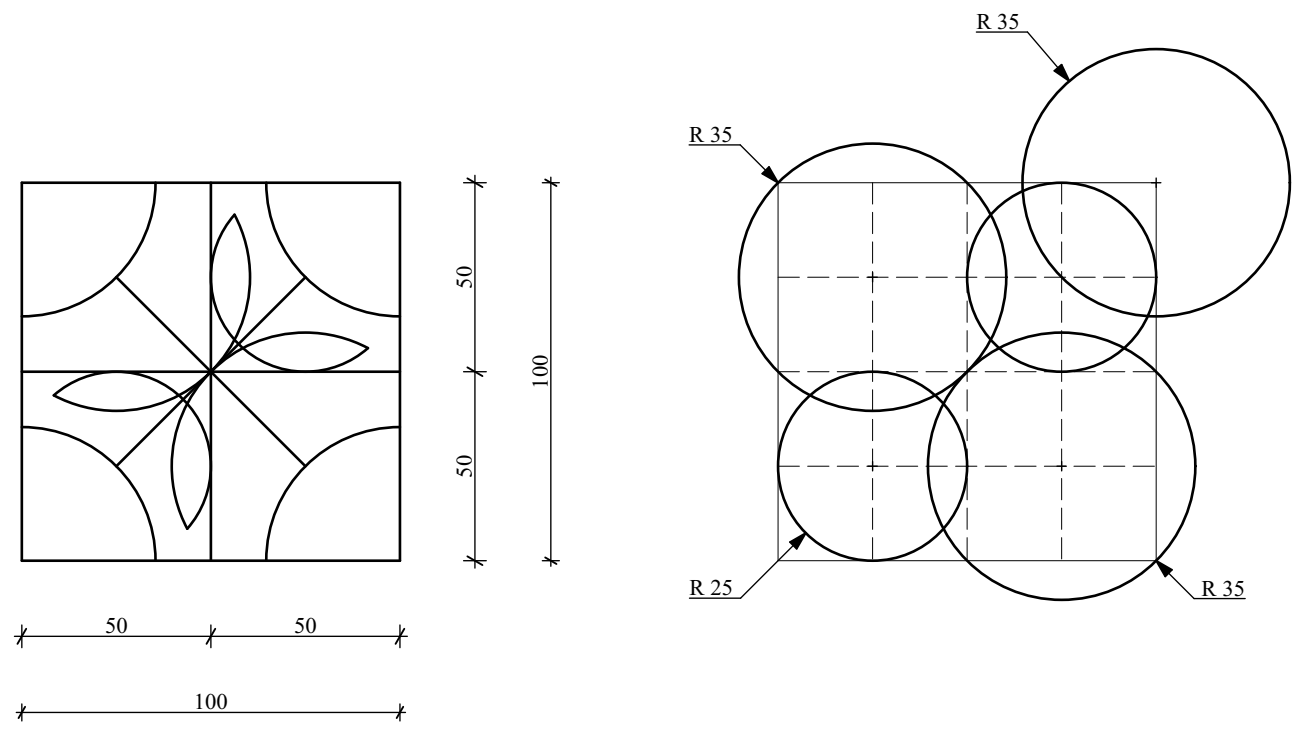


FIGURE 1

Construction Method

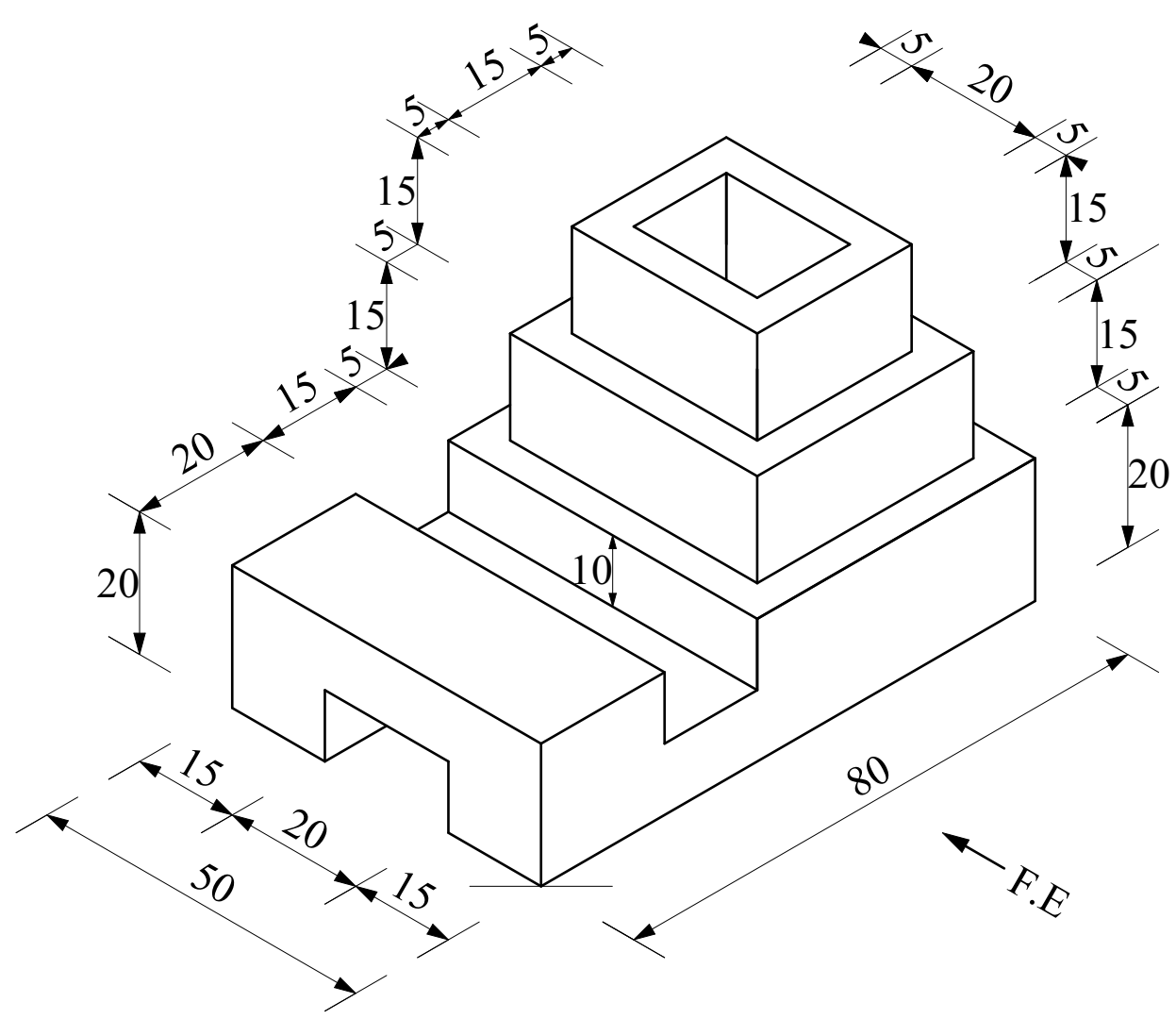


FIGURE 2