



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

SECOND YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR

CERTIFICATE IN CIVIL ENGINEERING

BCEBT 209: COMPUTER AIDED DESIGN II

DATE: 19/01/2021

TIME: 2.00-4.00 PM

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)