



MACHAKOS UNIVERSITY

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

SECOND YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL ENGINEERING

BCECD 218: CIVIL ENGINEERING DRAWING AND CAD

DATE: 19/12/2017

TIME: 8:30 -11:30 AM

Instructions:

- *This paper consists of **Two** questions.*
- *Answer **Both** questions*
- *Maximum marks for each part of a question are as shown*

1. Figure 1 shows a block drawn in isometric projection.
Construct and annotate the block given the following specifications:
All dimensions are in mm;
Scale: 1:2;
Pen width - 0.35mm;
Grid spacing - 10mm;
Dimension lines - 0.13mm
Dimension text - times new roman,
Font size - 2.0mm. (25 marks)
2. Draw the **Four** views of the block in First Angle Orthographic projection with the front elevation viewed in the direction of arrow X. (25 marks)