



MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

SECOND YEAR SECOND SEMESTER EXAMINATION FOR
DIPLOMA IN CIVIL ENGINEERING

BCECD 218: CIVIL ENGINEERING DRAWING AND CAD

Date: /04/2019

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: 1:1;
Pen width - 0.35mm;
Grid spacing - 10mm;
Dimension lines - 0.13mm
Dimension text - times new roman,
font size - 2.0mm.

(30 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.

(20 marks)