



MACHAKOS UNIVERSITY

University Examinations 2017/2018

SCHOOL OF ENGINEERING
DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

SECOND YEAR SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN
BUILDING CONSTRUCTION TECHNOLOGY

BCEBT 209: COMPUTER AIDED DESIGN II

DATE: 13/12/2017

TIME: 8.30-10.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

The attached drawing shows the floor plan of a two bedroom bungalow.

To a scale of 1:100 and using the given specifications:

1. Draw and annotate the house plan.

Specifications:

All dimensions are in m;

Wall height - 3m;

Wall thickness – 0.2m;

Roof pitch - 22.5°;

Doors & Windows - use industry standards;

Assume any other relevant information.

(25 marks)

2. Lay out the following views on A3 paper:

- a. Four Elevations

- b. Floor Plan

- c. Section X-X

(25 marks)