



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)
Faculty of Engineering and Technology

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

DIPLOMA IN ARCHITECTURE (DA 10A)

DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBC 10A)

EBC 2319: COMPUTER AIDED DESIGN II

END OF SEMESTER EXAMINATION

SERIES: APRIL 2012

TIME: 3 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*
- *Laptop/Desktop Computer*

This paper consists of **FIVE** questions. Answer any **THREE** questions

Maximum marks for each part of a question are clearly shown

This paper consists of **SEVEN** printed pages

SECTION II (Attempt any TWO questions – 40 marks)

Question 2 (20 marks)

The figure below is a floor of a one bed roomed house. Design the 3D view of the complete house and provide well designed doors, windows and roof.

Question 3 (20 marks)

Design and intersecting roof for a 5000mm by 8000mm house providing all the necessary measurement of the following details (20 marks)

- (i) Ridge board
- (ii) Purlins
- (iii) Rafters
- (iv) Wall plate
- (v) Fascia board
- (vi) Gutter
- (vii) Ridge cap

(ii) The 900mm x 2100mm six panel doors shown below giving all the details

(10 marks)

