THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBC 10B)
DIPLOMA IN ARCHITECTURE (DA 10B)

EBC 1107: BUILDING TECHNOLOGY I

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2012
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*
- *A Laptop/Desktop Computer*
This paper consists of **FIVE** questions.

Answer any **THREE** questions. Question **ONE** is Compulsory
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages
Question One (Compulsory)

a) Briefly describe how to create and save a new layer
b) Redraw the drawing in drawing 1 using layers. Create layers for:
   (i)   Doors
   (ii) Windows
   (iii) Wall
   (iv) Roof
   (v)   Text

   Each layer to have its own layer color, line weight and type.   **(30 marks)**

Question Two

Draw all elevations, a section, roof plan for drawing two.   **(20 marks)**

Question Three

The drawing in drawing 3 shows the rain water drainage and rent pipes on the rooftop of a flat. Redraw the drawing as it is and save it in PDF on an AI sheet for printing. Save your answer in PDF –A1 sheet.
                                                                                (20 marks)

Question Four

Design a three bedroom massionette. The master bedroom should have its own shower and water closet.
                                                                                (20 marks)

Question Five

a) Describe:
   (i)   A floor plan
   (ii) An elevation

c) Draw a section through a gable roof and show it's details   **(20 marks)**