



THE TECHNICAL UNIVERSITY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

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

EBC 2325: BUILDING DRAWING & CAD

**SPECIAL/SUPPLEMENTARY EXAMINATION**

**SERIES: FEBRUARY 2013**

**TIME: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- Answer Booklet

- Laptop/Desktop Computer

This paper consists of **FIVE** questions. Answer question **ONE** and any other **TWO** questions  
Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

### **Question One (Compulsory)**

a) Describe the procedures below as used in CAD:

- (i) Create new layer (s)
- (ii) Set layer color
- (iii) Set line weight
- (iv) Set line type

b) Redraw the drawing shown in drawing 1 using layers create layers for:

- Doors
- Windows
- Wall
- Text
- Dimension
- Roof

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

### **Question Two**

Draw all elevations and hatch them, include a well labeled section for drawing 2 **(20 marks)**

### **Question Three**

The drawing shown in drawing 3 shows the plumbing layout on the rooftop of a flat. Redraw the drawing as it is and save it in PDF on an A1 sheet for printing.

Save your answer in PDF – A1 Sheet. **(20 marks)**

### **Question Four**

Design a simple three bedroom massionette with a common shower and water closset room. **(20 marks)**

### **Question Five**

a) Briefly describe how to set layer color.

b) Draw and detail a section through a strip foundation. **(20 marks)**