



TECHNICAL UNIVERSITY OF MOMBASA  
**Faculty of Engineering &  
Technology**

DEPARTMENT OF BUILDING & CIVIL ENGINEERING  
CERTIFICATE IN BUILDING CONSTRUCTION (CIT)

EBC 1207: ENGINEERING DRAWING II

**END OF SEMESTER EXAMINATION**

**SERIES: APRIL 2013**

**TIME ALLOWED: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*
- *Drawing Paper*

This paper consists of **FIVE** questions.

Answer any **THREE** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

### **Question One**

Figure 1 shows an object as indicated. To a scale of 1:1 draw the following views in third angle projection.

- (i) Plan as seen in direction of arrow C
- (ii) Elevation as seen in direction of arrow A
- (iii) Side view as seen in direction of arrow B. **(20 marks)**

### **Question Two**

Figure 2 shows three views of an object in orthographic projection. To a scale of 1:1 construct an isometric drawing of the object with P as the lowest point. **(20 marks)**

### **Question Three**

Figure 3 shows a certain object. To a scale of 1:1, draw the following in first angle projection.

- (i) Elevation as seen in direction of arrow A
  - (ii) Plan as seen in direction of arrow B
  - (iii) Side elevation as seen in direction of arrow C
- Dimension your drawing carefully **(20 marks)**

### **Question Four**

Draw a line AB 100mm long and divide it into 7 equal parts in the ratio of 1:2:4. Give the measurement between 2 and 4. **(20 marks)**

### **Question Five**

Use freehand sketches to draw pictorial drawings of the following tools:

- (i) Wooden hawk
- (ii) Wooden float
- (iii) Bevel square
- (iv) Try square **(20 marks)**