



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

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

EBC 1207: ENGINEERING DRAWING II

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: JUNE 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

Draw a line AB 80mm 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 Two

Name and illustrate **FIVE** common lines and **FIVE** dimension lines used in engineering drawing. **(20 marks)**

Question Three

Sketch conventional indication of the following materials used in building industry.

- (i) Concrete
- (ii) Wrought timber
- (iii) Unwrought timber
- (iv) Earth
- (v) Stone

(20 marks)

Question Four

Figure 4 shows an object as indicated. To a scale of 1:1 draw the elevation as marked in the direction of arrow FE. Plan as marked in the direction of arrow P and end elevation in the direction of arrow EE. **(20 marks)**

Question Five

Figure 5 shows the object as indicated. To a scale of 1:1 draw:

- (i) Front elevation as shown in the direction FE
- (ii) Plan as shown in the direction of P
- (iii) End elevation in the direction of EE

(20 marks)