



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
DIPLOMA IN ARCHITECTURE (DA 12)

EAR 2201: ARCHITECTURAL COMMUNICATION III

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: JULY 2013

TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

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 a plan of a hipped roof designed with a slope of 30° . Using a scale of 1:50, draw:

- a) Elevations A, B and C **(15 marks)**
- b) The auxiliary views of plane a and b **(15 marks)**

Question Two

- a) Figure 2 shows an isometric view of a dimensioned object. Draw the **FOUR** views using orthographic project that fully describe the object. **(16 marks)**
- b) What are auxiliary views and why are they necessary in architectural drawing. **(4 marks)**

Question Three

Figure 3 shows a section of a staircase whereby the tread is 300mm and the riser is 200mm. If the width of the staircase is 1200mm, draw at a scale of 1:20

- a) The plan of the staircase **(5 marks)**
- b) The section of the staircase **(15 marks)**

Question Four

Figure 4 is an elevation that has adopted a presentation technique for effective architectural communication. Redraw the elevation to achieve the same level of architectural communication. **(20 marks)**

Question Five

Figure 5 shows the plan and elevation of a truncated cylinder with a base diameter of 70mm; a height of 65mm, with the sloping faces of 30° to the horizontal.

- a) Draw the elevation of the truncated cylinder marked B **(10 marks)**
- b) Draw the true shape of the sloping face **(10 marks)**