# TECHNICAL UNIVERSITY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

**DIPLOMA IN ARCHITECTURE**
**(DA 12)**

EAR 2201: ARCHITECTURAL COMMUNICATION III

**END OF SEMESTER EXAMINATION**
**SERIES:** AUGUST 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 question **ONE** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

**Question One (Compulsory)**

Figure 1 shows an object in oblique projection.  Draw the following perspective views:

   (i)    A two-point perspective (birds eye view)                                    **(10 marks)**
   (ii)   A two-point perspective with the horizon line at 1500mm above the ground line.
                                                                                **(10 marks)**

**Question Two**

Figure 2 is an object in axonometric projection.  Assuming a horizontal bearing and an altitude of 45°, draw the following views:

a)  The object with its shaded area and shadow differentiated using the scribbling technique.
                                                                                **(10 marks)**
b)  The object with its shaded area and shadow differentiated using the stippling technique.
                                                                                **(10 marks)**

**Question Three**

Figure 3 is a plan of a classroom block.  Redraw the plan using contrasting tonal values to define the layers of spatial depth for effective architectural communication.        **(20 marks)**

**Question Four**

Figure 4 shows the plan and elevation of a truncated prism of equal sides with the dimensions given. Draw the:

**a)**  Elevation of the truncated prism marked A                              **(10 marks)**
**b)**  True shape of the sloping face                                          **(10 marks)**

**Question Five**

Figure 5 shows a plan of a hipped roof combined with a gable roof designed with a slope of 30 degrees. Using a scale of 1:50 draw:

   a)  Elevation A, B and C                                                      **(12 marks)**
   b)  The auxiliary views of the planes marked a and b                          **(8 marks)**