



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

*Faculty of Engineering & Technology*

DEPARTMENT OF CIVIL AND BUILDING ENGINEERING

CERTIFICATE IN ARCHITECTURE (CA 09)

DIPLOMA IN ARCHITECTURE (DA 10)

END OF SEMESTER I EXAMINATIONS

APRIL/MAY 2010 SERIES

**ARCHITECTURAL COMMUNICATION**

**TIME: 3 HOURS**

**Instructions to Candidates**

You should have the following for this examination:

- Answer Booklet
- Drawing Instruments
- Drawing paper A1

This paper consists of **FOUR** Questions.  
Answer any **THREE** Questions

### **Question ONE**

State:

- (a) 14 instruments used in Architectural drawing. **(8 1/3 Marks)**
- (b) 6 materials used in architectural drawings. **(10 Marks)**
- (c) Explain **THREE** printing methods with sketches. **(15 Marks)**

### **Question TWO**

Construct 3 triangles equilateral, isosceles, scalene choosing their dimensions.

Dimensions the triangles. **(33 1/3 Marks)**

### **Question THREE**

In each, draw in-scribed and e-scribed circles.

- (a) Pentagon – circle 30mm diameter
- (b) Hexagon – circle diameter 47mm
- (c) 12 sided polygon – circle diameter 38mm. **(33 1/3 Marks)**

### **Question FOUR**

Construct the following plane figures;

- (a) Rectangle – length 18.7cm, with 8.3.
- (b) Square – side 15.5cm.
- (c) Parallelogram – base 11.4cm, side 6.3cm (vertical angle 75°).
- (d) Tek concentric circles choosing suitable radii. **(33 1/3 Marks)**