



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN ARCHITECTURE (DA 12S)

EBC 2101: ARCHITECTURAL COMMUNICATION I

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: FEBRUARY 2013

TIME: 3 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **THREE** questions. Answer **ALL** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One

Using horizontal axis and directrix plot:

- a) Ellipse 1:2 eccentricity
- b) Ellipse 3:4 eccentricity
- c) Parabola 2:1 eccentricity (2:1) **(33 1/3 marks)**

Question Two

Construct 3 ellipses by 3 methods other than by eccentricity. **(33 1/3 marks)**

Question Three

Using suitable dimensions, construct the involute of a point around:

- a) Sq block
- b) Equilateral triangle block **(33 1/3 marks)**
- c) Circle