



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN ARCHITECTURE (DA 12M)

EAR 2105: ARCHITECTURAL COMMUNICATION II

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: JULY 2013

TIME: 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 **THREE** printed pages

Question One (Compulsory)

Using the information provided in figure 1 and 2, draw at a scale of 1:100 an oblique parking layout for twenty (20N0) cars showing.

- (i) Connections to the access road at the entrance and exit.
- (ii) Turning circle linking the two ways **(30 marks)**

Question Two

- a) Using sketches, illustrate how the edges of the object shown in figure 3 can be used to represent each of the three basic types of perspective drawings. **(10 marks)**
- b) What are the **THREE** basic types of perspective drawings used by architects to depict various built environments? **(3 marks)**
- c) What is the meaning of the following terminologies used in perspective drawing:
 - (i) Vanishing point
 - (ii) Horizon **(4 marks)**
- d) Explain the circumstances under which a bird's eye view and a worm's eye view can be achieved in perspective drawing. **(3 marks)**

Question Three

Using the grid lines shown in figure 4, draw the portrait of His Excellency the President to a suitable scale. **(20 marks)**

Question Four

Explain the following terminologies as used in visual art and state the materials and tools used for each of the different types of art.

- (i) Drawing
- (ii) Painting
- (iii) Photography
- (iv) Sculpture **(20 marks)**

Question Five

- a) What is the basic difference between a digital and an ordinary camera? **(4 marks)**
- b) Identify five parts that are common in a digital and ordinary camera and state their functions. **(10 marks)**
- c) State **THREE** different uses of photography in the design, construction and maintenance of buildings by architects. **(6 marks)**

