



# TECHNICAL UNIVERSITY OF MOMBASA

---

SCHOOL OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT

**UNIVERSITY EXAMINATION FOR:**

DIPLOMA IN ARCHITECTURE

**EAR 2102: HISTORY & THEORY OF ARCHITECTURE I**

END OF SEMESTER EXAMINATION

YEAR ONE SEMESTER ONE

SERIES: MARCH 2025

**TIME: 2 HOURS**

**DATE: MARCH 2025**

## **Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

---

### **QUESTION ONE (30 MARKS)-COMPULSORY**

- a) Define:
  - i. Architecture (2 marks)
  - ii. The serdab (3 marks)
  - iii. The sarcophagus (3 marks)
- b) Explain SIX benefits of learning vernacular architecture for architects. (12 marks)
- c) Anthropomorphism in Dogon architecture is where human characteristics or forms are attributed to buildings or structures. Describe FIVE ways the Dogon used anthropomorphism. (10 marks)

### **QUESTION TWO (15 MARKS)**

- a) Explain how the early Maasai designed their houses to maintain cool temperatures internally in a hot and dry climate. (5 marks)
- b) With the aid of a sketch explain the purpose and construction process of a Maasai Enkang'. (10 marks)

### **QUESTION THREE (15 MARKS)**

- a) List FIVE materials that were used to construct a typical early Kikuyu granary. (5 marks)
- b) Sketch a plan of a typical early Kikuyu homestead belonging to a Kikuyu man with two wives and four sons naming the different spaces. (10 marks)

### **QUESTION FOUR (15 MARKS)**

- a) The Swahili live in a hot and humid climate. Outline FIVE ways this affected their architecture. (5 marks)
- b) Explain FIVE ways Arabs influenced early Swahili architecture. (10 marks)

### **QUESTION FIVE (15 MARKS)**

- a) List the materials used to construct a typical early Egyptian house? (5 marks)
- b) Describe FIVE ways in which the environment significantly impacted early Egyptian architecture. (10 marks)