



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: DECEMBER 2024
TIME: 2 HOURS
DATE: DECEMBER 2024

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) Describe FOUR key characteristics of vernacular architecture. (8 marks)
- b) Explain SIX benefits of vernacular architecture to architects. (12 marks)
- c) Describe FIVE factors that influenced the development of Dogon architecture (10 marks)

QUESTION TWO (15 MARKS)

- a) The climate of the Nyanza region is characterized by a humid and warm atmosphere with heavy rainfall, particularly during the long rains (March to May) and short rains (October to December). Explain FIVE ways the Luo community designed their homes to adapt to this climate. (5 marks)
- b) Sketch the layout of a typical early Luo first wife traditional hut showing the various relevant spaces. (10 marks)

QUESTION THREE (15 MARKS)

- a) Name FIVE materials used to construct a typical early Swahili house. (5 marks)
- b) Explain FIVE ways Arabs influence Swahili architecture. (10 marks)

QUESTION FOUR (15 MARKS)

- a) Animals were important to the Maasai. Explain FIVE ways the early Enkaji design was influenced by this. (10 marks)
- b) List FIVE materials that were used to construct a typical early Maasai house (5 marks)

QUESTION FIVE (15 MARKS)

- a) Sketch a typical ancient Egyptian family house identifying the different spaces. (7 marks)
- b) Explain FOUR ways the environment heavily influenced early Egyptian architecture. (8 marks)