



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

SPECIAL/SUPPLEMENTARY EXAMINATION

YEAR ONE SEMESTER ONE

SERIES: JULY 2025

TIME: 2 HOURS

DATE: JULY 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) Explain FIVE factors that influence vernacular architecture. (10 marks)
- b) Mande architecture is the most recognizable style of architecture in Africa. Outline FIVE key characteristics of Mande architecture. (10 marks)
- c) Sketch out the schematic plan of Dogon Village outlining the meaning of the different buildings. (10 marks)

QUESTION TWO (15 MARKS)

- a) Outline THREE purposes of the Maasai Enkang. (3 marks)
- b) Explain the construction process of the Maasai Enkang'. (5 marks)
- c) Sketch the typical layout of a Maasai Enkaji naming the different spaces. (7 marks)

QUESTION THREE (15 MARKS)

- a) List FIVE materials used to construct a typical early Egyptian house. (5 marks)
- b) The construction of the Egyptian pyramids, particularly the Great Pyramid of Giza, was driven by various factors. Outline FIVE of these factors. (10 marks)

QUESTION FOUR (15 MARKS)

- a) Explain the main characteristics of Swahili vernacular architecture. (10 marks)
- b) Sketch the typical layout of the Swahili stone house. (5 marks)

QUESTION FIVE (15 MARKS)

- a) List FOUR materials that were used to construct a typical early Kikuyu traditional hut. (2 marks)
- b) Outline THREE types of wall construction in early traditional Kikuyu architecture. (3 marks)
- c) Sketch a section through a typical traditional Kikuyu hut clearly indicating the cooking area, entry and water drainage mechanisms. (10 marks)