



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: AUGUST 2024

TIME: 2 HOURS

DATE: AUGUST 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 features of vernacular architecture. (8 marks)
- b) Define:
 - i. Vernacular Architecture (3 marks)
 - ii. Anthropomorphism (2 marks)
 - iii. Maasai Enkang' (2 marks)
- c) Describe FIVE factors that influenced Dogon architecture (15 marks)

QUESTION TWO (15 MARKS)

- a) The climate of the Central Region of Kenya is characterized by moderate rainfall, varying from approximately 1000 mm per year in the lowlands to 1750 mm per year in the highlands. Explain THREE ways in which the Kikuyu adapted their houses to handle these conditions. (6 marks)
- b) Sketch a section through a typical traditional Kikuyu hut clearly indicating the cooking area, entry and water drainage mechanisms. (9 marks)

QUESTION THREE (15 MARKS)

- a) State the name given to the Luo son's hut. (1 mark)
- b) Explain the significance of the circle in Luo architecture. (4 marks)
- c) The Luo live in a hot and humid climate. Explain FIVE ways this influenced the design of their huts. (10 marks)

QUESTION FOUR (15 MARKS)

- a) Explain FIVE merits of early traditional Maasai building techniques and houses (10 marks)
- b) State FIVE demerits of early traditional Maasai building techniques and houses (5 marks)

QUESTION FIVE (15 MARKS)

- a) Sketch a typical ancient Egyptian family house identifying the different spaces. (7 marks)
- b) Tombs were arguably the most outstanding architectural elements in early Egyptian architecture. With the aid of sketches explain any TWO main stages in the evolution of the Egyptian tomb. (8 marks)