



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT
UNIVERSITY EXAMINATION FOR:
DIPLOMA IN ARCHITECTURE
EAR 2107: HISTORY & THEORY OF ARCHITECTURE II
END OF SEMESTER EXAMINATION
YEAR ONE SEMESTER TWO
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) Modern architecture is characterized by distinct themes that revolutionized architectural design and construction. Discuss five common themes of modern architecture. (10 marks)
- b) The Bauhaus was a revolutionary art and design school founded in Germany in 1919 by architect Walter Gropius. Describe FIVE key points that characterized Bauhaus movement. (10 marks)
- c) Explain FIVE distinct architectural characteristics of ancient Chinese architecture. (10 marks)

QUESTION TWO (15 MARKS)

- a) Describe the key features and techniques of Byzantine brickwork construction. (3 marks)
- b) Byzantine architecture is known for several significant inventions and innovations that contributed to its distinctive style. Describe SIX of these key inventions (12 marks).

QUESTION THREE (15 MARKS)

The evolution of architecture from Byzantine to Romanesque and then Gothic reflects significant cultural, technological, and religious shifts in medieval Europe. Briefly elaborate this evolution stating what key characteristics defined each architectural style during these periods.

QUESTION FOUR (15 MARKS)

- a) State THREE methods of natural lighting the Greek utilized. (3 marks)
- b) Explain FOUR environmental factors that influenced ancient GREEK architecture. (12 marks)

QUESTION FIVE (15 MARKS)

- a) Outline the key characteristics of Baroque architecture (4 mark)
- b) Describe the architectural features often used to create a sense of movement and drama in Baroque buildings (2 marks)
- c) State the major role religious institutions played in the uprising of Baroque architecture. (1 mark)
- d) Outline ways in which Baroque architects incorporated illusionistic techniques into their designs (8 marks)