



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT
UNIVERSITY EXAMINATION FOR:
DIPLOMA IN ARCHITECTURE
EAR 2107: HISTORY AND THEORY OF ARCHITECTURE II
END OF SEMESTER EXAMINATION
YEAR ONE SEMESTER II
SERIES: APRIL 2022
TIME: 2 HOURS
DATE: Pick Date APRIL 2022

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

- Roman architecture exploited structures built in compression. Name TWO of these structural elements. (2 marks)
- With the aid of a sketched section; explain the design of ancient Roman roads. (10 marks)
- Roman architecture grew as a result of great structural and infrastructural development. Outline SEVEN of these developments. (14 marks)
- Other than houses for dwelling, Greek architecture was made up of a variety of buildings for other purposes. List FOUR other types of buildings (4 marks)

QUESTION TWO (15 MARKS)

- a) Geological factors heavily influenced early Japanese architecture. State THREE ways this was evident in construction (3 marks)
- b) Explain FOUR characteristics of early Japanese architecture. (12 marks)

QUESTION THREE (15 MARKS)

- a) Explain the bonding techniques for the Parthenon in early Greek Architecture. (3 marks)
- b) Outline FOUR materials used in construction in early Greek Architecture. (4 marks)
- c) Although ancient Greek architecture is renowned for its public buildings, the Greeks had a definite style in the design of DOMESTIC dwellings. Explain (8 marks)

QUESTION FOUR (15 MARKS)

- a) The PENDENTIVE was a unique feature of Byzantine architecture. With the aid of sketches, explain. (5 marks)
- b) Other than the PENDENTIVE, explain FIVE other characteristics of Byzantine architecture (10 marks)

QUESTION FIVE (15 MARKS)

Explain FIVE characteristics of Baroque architecture.