



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT
UNIVERSITY EXAMINATION FOR:
DIPLOMA IN ARCHITECTURE
EAR 2210: BUILDING ECONOMICS
END OF SEMESTER EXAMINATION
YEAR TWO SEMESTER TWO
SERIES: MAY 2025
TIME: 2 HOURS
DATE: MAY 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.

No mobile phones allowed in the exam room

QUESTION ONE (20 MARKS)-COMPULSORY

Explain FIVE different stages of cost planning process while mentioning two main cost activities in each stage.

QUESTION TWO (20 MARKS)

Discuss the following;

- a) Five objectives of cost planning (10 marks)
- b) Comparative cost planning (10 marks)

QUESTION THREE (20 MARKS)

Describe;

- a) The concept of elemental cost planning (10 marks)
- b) FIVE cost factors in relation to metrication and dimensional co-ordination (10 marks)

QUESTION FOUR (20 MARKS)

Discuss construction cost implications based on the following variables:

- a) Column spacing (4 marks)
- b) Shape (4 marks)
- c) size of a building (4 marks)
- d) floor loading (4marks)
- e) Circulation space (4 marks)

QUESTION FIVE (20 MARKS)

Compare cost planning and approximate estimating process.