



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT

UNIVERSITY EXAMINATION FOR:
BACHELOR OF ARCHITECTURAL STUDIES/BACHELOR OF
ARCHITECTURE

EAR 4407: URBAN DESIGN
END OF SEMESTER EXAMINATION
YEAR FOUR; SEMESTER II

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) With the aid of sketches, Compare and Contrast any **TWO** Urban Forms. (10 marks)
- b) Urban design is considered to be a high architectural art. Describe any **THREE** situations in which the design of individual buildings seems as urban design. (9marks)
- c) With the aid of sketches explain any **TWO** components of the built form that has immense impact on the character of the space and its success in a neighbourhood. (6 marks)
- d) Using sketches, distinguish between any **TWO** types of Squares. (5 marks)

QUESTION TWO (20 MARKS)

With the aid of sketches explain the **FIVE** basic elements which people use to construct the image of the city. (20 marks)

QUESTION THREE (20 MARKS)

“ASA TUM” has been tasked to undertake a student design competition dubbed “Mombasa Urban Renewal”. Explain the stages of the logical process, of coming up with the urban design scheme. (20 marks)

QUESTION FOUR (20 MARKS)

Urban design is the art and science of creating and/or shaping cities/towns. With the aid of sketches explain any **FOUR** elements of a holistic urban environment. (20 marks)

QUESTION FIVE (20 MARKS)

The spatial configuration and appearance of an urban area ensures a well-ordered city neighbourhoods. Explain any **FIVE** design concepts related to sustainable urban form. (20 marks)