



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN QUANTITY SURVEYING

EQS 2104: MEASUREMENTS I

SPECIAL/ SUPPLEMENTARY EXAMINATION

YEAR ONE SEMESTER II

SERIES: JUL2025

TIME: 2 HOURS

DATE: July, 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.

A *saloonist* has hustled and she is planning to construct a rental house (rectangular on plan) with two equal rooms. The house has 2No. Door Openings each size 900mm x 2100mm high; and 4No. Window Openings each size 1500mm x 1500mm high. The house is unfinished; and the doors and windows are yet to be fixed.

NB: Use the information provided above to answer Questions 1 to 4

QUESTION ONE (30 MARKS) - COMPULSORY

Study the drawings provided above, and while making reasonable assumptions, generate quantities for the items of work in the substructure level.

QUESTION TWO (15 MARKS)

Measure all the concrete superstructure works while making reasonable assumptions on reinforcements for tendering purposes.

QUESTION THREE (15 MARKS)

Measure the walling for tendering purposes.

QUESTION FOUR (15 MARKS)

Measure the entire roof structure and covering for tendering purposes.

QUESTION FIVE (15 MARKS)

Describe the requisite steps in the preparation of Bills of Quantities.