



TECHNICAL UNIVERSITY OF MOMBASA
SCHOOL OF ENGINEERING & TECHNOLOGY

Department of BUILDING & Civil engineering

UNIVERSITY EXAMINATION FOR:

CERTIFICATE IN BUILDING AND CIVIL ENGINEERING

EBC 1202 : QUANTITY SURVEYING II

END OF SEMESTER EXAMINATION

SERIES: APRIL 2025

TIME: 2 HOURS

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass, a scientific calculator and student ID

This paper consists of **FIVE** questions. Attempt any **THREE** questions.
Marks for each question are as indicated.

Do not write on the question paper.

QUESTION ONE (20 Marks)

(a) Highlight **five** duties of a professional quantity surveyor in a construction site.

(10

Marks)

(b) Define the following terms as used in quantity surveying: -

(i) Dotting on

(ii) Taking off

(iii) Bracketing

(iv) Abstracting

(v) Squaring

(10 Marks)

QUESTION TWO (20 Marks)

With aid of a sketch, describe a “dimension paper” with respect to the use of each column.

(20 Marks)

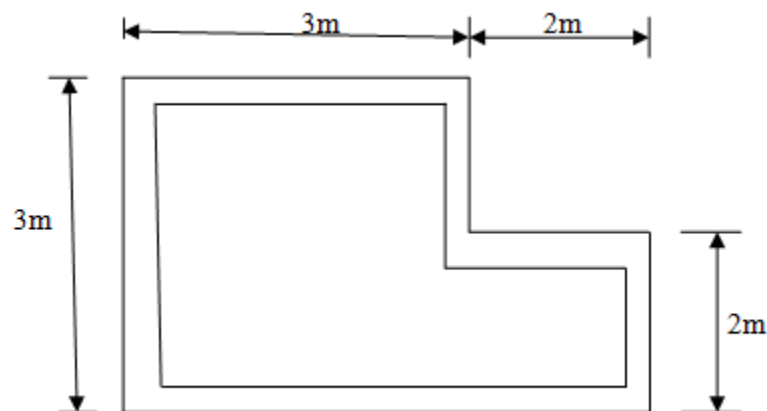
QUESTION THREE (20 Marks)

(a) Give five comparisons between Building and Civil Engineering Standard Methods of Measurements (SMM).

(10 Marks)

(b) Find the mean girth of the following substructure plan below.

(5 Marks)



Note: Figure Not into scale, Wall thickness to be 200mm all round.

(c) Outline the key functions of the Bill of Quantities.

(5 Marks)

QUESTION FOUR (20 Marks)

- (a) Briefly explain three common types of payment of certificates used in the construction industry citing in each case who in the building team issues it and when it is issued. (10 Marks)
- (b) Outline any five methods that/which are commonly used in valuing variations in the construction industry. (10 Marks)

QUESTION FIVE (20 Marks)

- (a) Take off all quantities for substructure works shown on Drawing no. 01. (20 Marks)

