



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

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: JULY 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) Outline five factors that contribute to wastage of building materials in a construction site. (5 Marks)

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

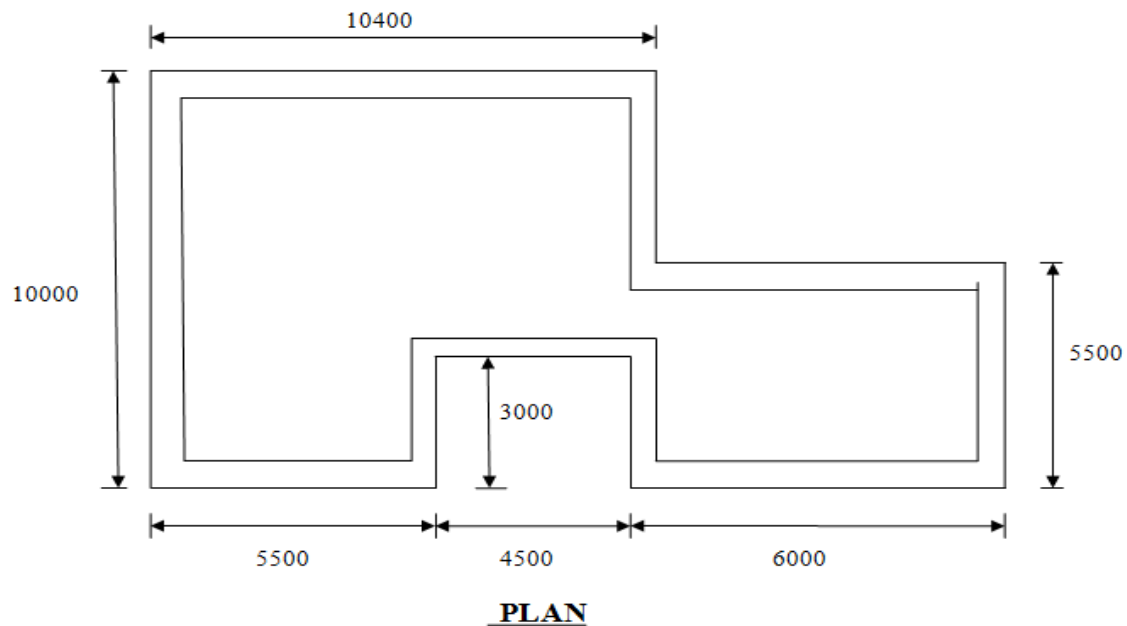
- (i) Taking off
- (ii) Ditto
- (iii) Bracketing
- (iv) Full stop
- (v) Billing

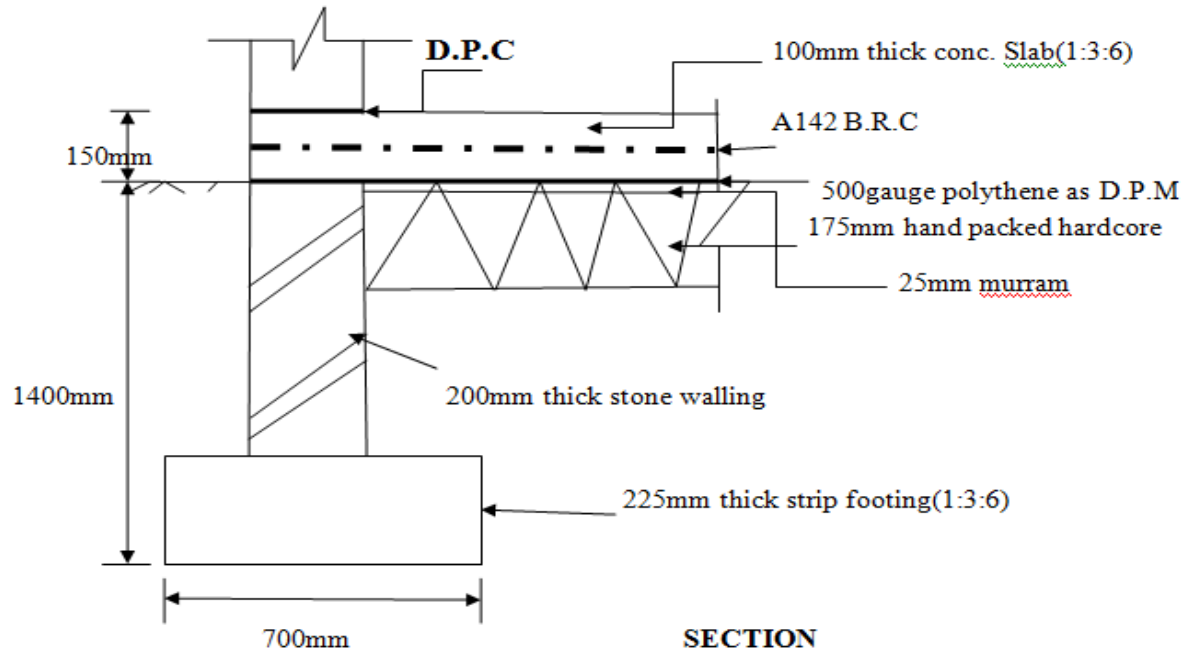
(10 Marks)

(c) Outline five similarities of the standard method of measurements of building works and that of civil engineering works. (5 Marks)

QUESTION TWO (20 Marks)

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





QUESTION THREE (20 Marks)

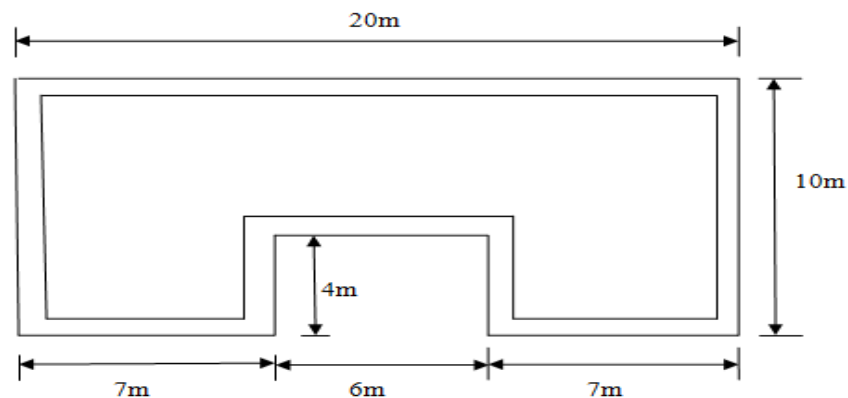
- a) Highlight **FIVE** duties of a professional quantity surveyor in a construction site.

(5

Marks)

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

(5 Marks)



Wall thickness to be 200mm.

- c) Outline any five methods that/which are commonly used in valuing variations in the construction industry.

(10 Marks)

QUESTION FOUR (20 Marks)

- (a) With aid of a sketch, describe a “dimension paper” with respect to the Name and use of each column. (10 Marks)
- (b) State five situations under which an Engineer may sanction variation in an ongoing construction project. (5 Marks)
- (c) Explain the following terms:
- (i) Deemed to be included
 - (ii) Spot items
 - (iii) Extra over items
 - (iv) Contingency sum
 - (v) Dotting
- (5 Marks)

QUESTION FIVE (20 Marks)

- (a) Give five comparisons between Building and Civil Engineering Standard Methods of Measurements (SMM). (10 Marks)
- (b) 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)