



## TECHNICAL UNIVERSITY OF MOMBASA

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Faculty of Engineering and Technology

Department of BUILDING & Civil engineering

**UNIVERSITY EXAMINATION FOR:**

CERTIFICATE IN BUILDING AND CIVIL ENGINEERING

EBC 1202 : QUANTITY SURVEY II

SPECIAL/SUPPLEMENTARY EXAMINATION

**SERIES:** NOVEMBER 2024 Choose hours

2 HOURS

**DATE:** Pick Date Nov 2024

### **Instructions to Candidates**

You should have the following for this examination

- *Answer Booklet, examination pass and student ID*

- *Pocket calculator*

- *CESMM*

This paper consists of **FIVE** questions. Attempt any **THREE** questions.

**Do not write on the question paper.**

**Mobile phones are not allowed in the examination room.**

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## QUESTION ONE

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

(10 marks)

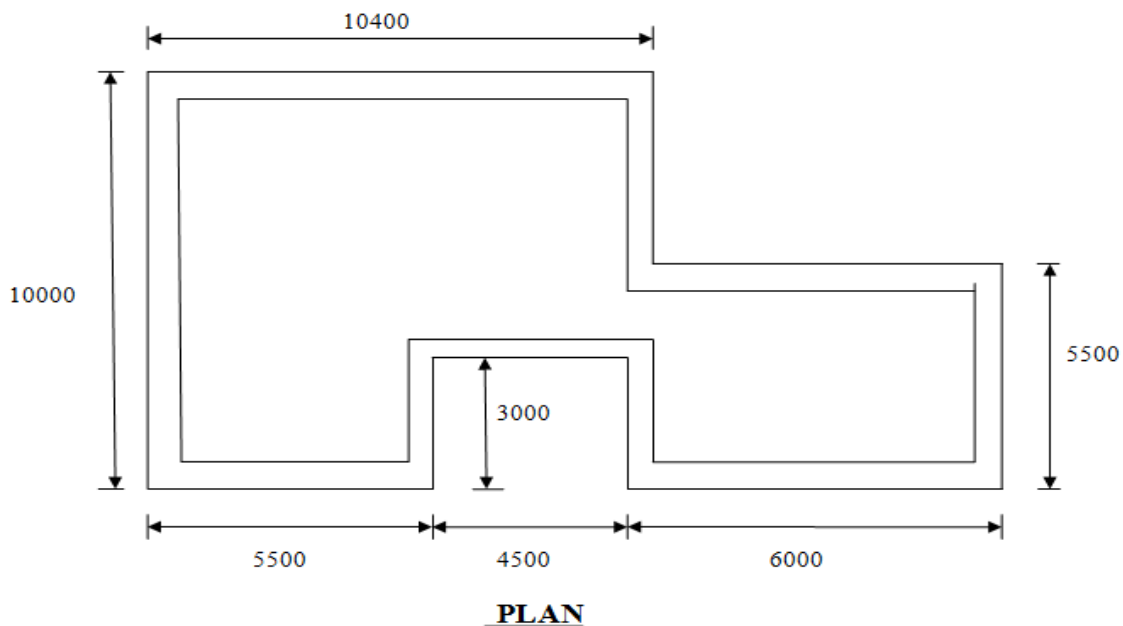
Give five comparisons between Building and Civil Engineering Standard Methods of Measurements

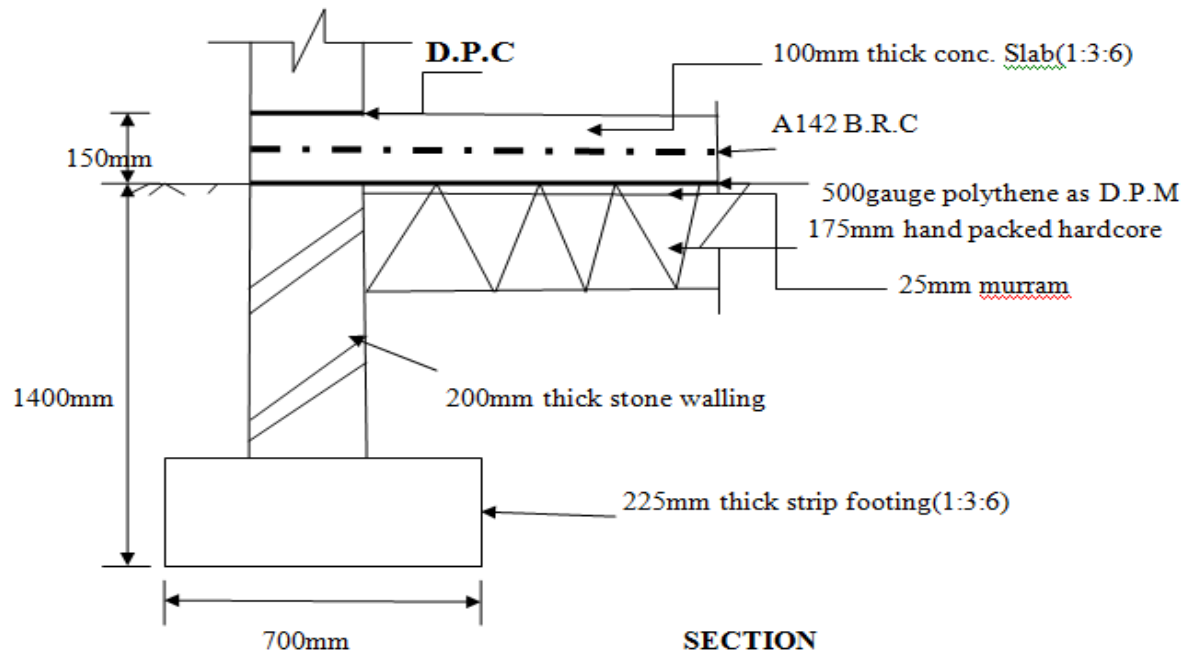
(10 marks)

(20 marks)

## QUESTION TWO

Take off all quantities for substructure works for the gate house shown below  
(use CESMM)





(20 marks)

### QUESTION THREE

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

(10 marks)

(b) State five situations under which an Engineer may sanction variation in an ongoing construction project.

(10 Marks)

### QUESTION FOUR

Explain the following

- Penultment payment certificates
- Retention money
- The significant of final payments certificate

(12 marks)

Outline four methods of valuing variations

(8 marks)

## QUESTION FIVE

Describe the following terms as applied to building works

- a) Preambles
- b) Protection clauses
- c) Prime cost sums
- d) Provisional sums

(20 marks)