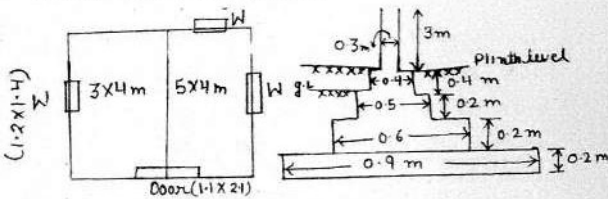


- (e) Scrap Value and Salvage Value  
 (f) Valuation

**SECTION - A**

2. (a) What do you mean by estimation and also explain different method of estimation? 7  
 (b) Explain the process of plastering and pointing. 8
3. Estimate the quantity by the long and short wall method of the following figure: 15



**SECTION - B**

4. (a) Explain the specification for different class of brick. 7  
 (b) Explain the detail specification of Brickwork and Plastering. 8
5. (a) Explain different types of tool and equipment used in construction. 8

3701- (P-4)(Q-9)(23) (2)

- (b) Explain modular material in detail. 7

**SECTION - C**

6. Workout the quantity of earthwork for an embankment 150 m long and 10 m wide at the top. Side slope is 2 : 1 and depth at each 25 m as follows: 15  
 0.6, 1.2, 1.4, 1.6, 1.4, 1.6, 1.5m and length of road is 150 m.
7. (a) What is the procedure to maintain measurement book? 7  
 (b) Explain the process of preparation of final bill. 8

**SECTION - D**

8. (a) Explain what do you mean by tender and its acceptance? 7  
 (b) Define contract and also explain type of contract. 8
9. Calculate the standard rent of a government residential building constructed from the following data: 15  
 Cost of land = Rs. 10,000  
 Cost of construction of building = Rs. 40,000

3701- (P-4)(Q-9)(23) (3)

P. T. O.

Cost of road with in the compound and fencing  
= Rs. 2,600

Cost of electric installation including fans = 8% of cost  
of building

House tax = Rs. 400 per annum

Water tax = Rs. 250 per annum

Property tax = Rs. 140 per annum

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Roll No. ....

**3701**

**B. Tech. 8th Semester (Civil Engg.)  
Examination – May, 2023**

**ESTIMATION, COSTING AND VALUATION**

**Paper : PCC-CE-402-G**

*Time : Three Hours ]*

*[ Maximum Marks : 75*

*Before answering the questions, candidates should ensure that they have  
been supplied the correct and complete question paper. No complaint in  
this regard, will be entertained after examination.*

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**Note :** Attempt *five* questions in all, selecting *one* question  
from each Section. Question No. 1 is *compulsory*.  
All questions carry equal marks.

1. Describe the following : 2.5 × 6 = 15
- (a) Security Money
  - (b) Cashbook
  - (c) Retention Money
  - (d) Depreciation