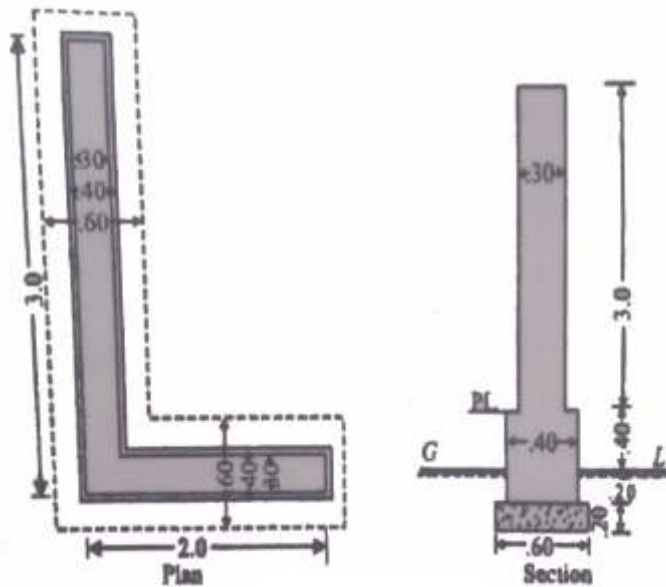


Q.25 Find the quantity of earth work, cement concrete, brick work in cement Mortar 1:6 in plinth and foundation and also in superstructure from the given plan and section of “L” shaped wall as shown in fig.



(All dimensions in mm.)

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5th Semester/Civil
Subject : Estimation & Costing

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 In analysis of rates contractor profit is taken as
- | | |
|--------|--------|
| a) 5% | b) 1% |
| c) 10% | d) 15% |
- Q.2 Original cost of property minus depreciation is
- | | |
|-------------------|--------------------|
| a) Reliable value | b) Book value |
| c) Salvage value | d) Obsolesce value |
- Q.3 The essential element of contract is
- | | |
|-----------------------|-------------------|
| a) Security deposit | b) Estimated cost |
| c) Offer & Acceptance | d) Tender notice |
- Q.4 What percentage of the total cost is added in the cost of the construction for contingencies?
- | | |
|-------|--------|
| a) 2% | b) 5% |
| c) 1% | d) 15% |

- Q.5 plastering work is measured in
 a) Cubic meter b) Sq. M
 c) Number d) Meter
- Q.6 Calculation of the quantities required and expenditure likely to be incurred in the construction of a work is known as
 a) Valuation b) Costing
 c) Surveyor d) Estimate

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 One cubic meter of mild steel weight is _____.
- Q.8 _____ is the unit of measurement for brick work.
- Q.9 What the volume of one bag of cement.
- Q.10 Define Lead.
- Q.11 Define Earthwork.
- Q.12 Define water charge.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write down the factor affecting rate of analysis.

- Q.14 What is the purpose of valuation?
- Q.15 Explain the following
 a) Tender Document b) Earnest Money
- Q.16 Calculate the dry material required for 50 Sq.m of cement sand (1:5) plaster 15 mm thick.
- Q.17 Enlist any five duty of Surveyor.
- Q.18 Define the following terms: CSR and HSR.
- Q.19 Write short note on (a) Scrap value b) Market value
- Q.20 What do you understand by term contract? Explain in detail.
- Q.21 Write short note on Principles of valuation.
- Q.22 Find out the number of bricks required for a brick masonry wall 15m long, 3.3 m high and 230 mm thick.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the procedure of estimation of quantities using long wall and short wall method with the help of example.
- Q.24 Prepare the analysis of rate of the cement concrete in foundation with 40 mm down ballast, cement and sand proportioning (1:2:4) for first 10 cum. Assume local suitable local rate for required material and the manpower.