

No. of Printed Pages : 4
Roll No.

220754

5th Sem/ Civil
Subject : Estimation & Costing

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 How many bag of cement are required for 1 cum cement?

- | | |
|--------------|-------------|
| a) 28.8 bags | b) 2.8 bags |
| c) 28 bags | d) 20 bags |

Q.2 The value of a property or its services calculated on the prevailing market rate to replace the same.

- a) Replacement value
- b) Potential value
- c) Rateable value
- d) Distress value

Q.3 Determination of actual cost of the work before the execution of it is called

- | | |
|-------------|----------------|
| a) Estimate | b) Valuation |
| c) Costing | d) Expenditure |

Q.4 The unit of measurement for R.C.C. work is in

- a) Sq. m b) Numbers
- c) Cubic meter d) Meter

Q.5 Plastering work is measured in

- a) Cubic meter b) Sq. m
- c) Number d) Meter

Q.6 Factors effecting the rate analysis

- a) Specification of items
- b) Present rate of materials
- c) Daily wages
- d) All of the above

SECTION-B

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

Q.7 Working out the exact quantities of various items of work is known as _____.

Q.8 What is the volume of one bag of cement.

Q.9 Define unbalanced Tender.

Q.10 Define Estimate.

Q.11 Item rate contract is also known as _____.

Q.12 The thickness of plastering in indoor walls is _____.

SECTION-C

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

- Q.13 What is the principle of unit of various items of works ? Example any four.
- Q.14 What is the difference between security deposit and retention Money?
- Q.15 Write down the unit of measurement & unit of payment for the following item of work:
a) Half Brick wall b) R.C.C. Work
- Q.16 Find out the dry material for 1 cum of R.C.C. work (1:2:4) having 1.5% steel)
- Q.17 Define overhead costs.
- Q.18 Describe centre line method for finding out quantities.
- Q.19 Write down the factor effecting the rate analysis. (Any four)
- Q.20 Explain the different method of valuation.
- Q.21 Prepare the tender documents for sewer lines.
- Q.22 What are the different method of computing depreciation?

SECTION-D

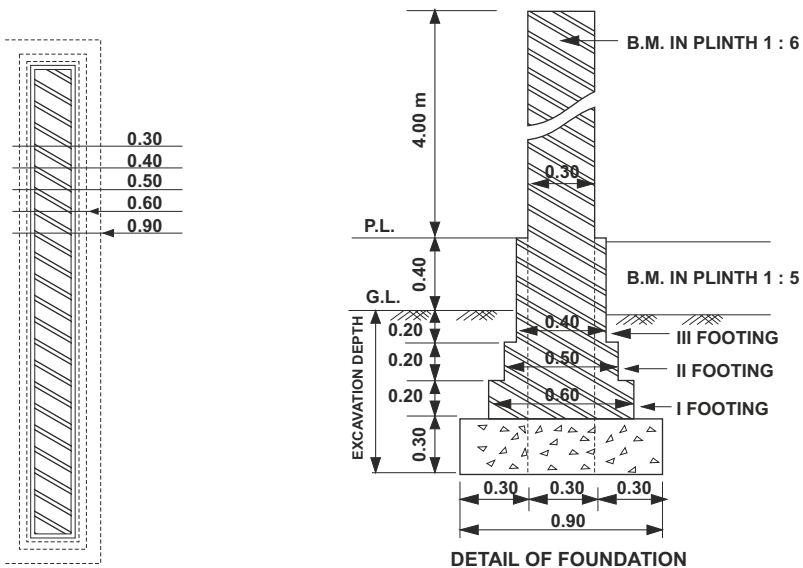
Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain various types of estimates.

Q.24 Prepare the analysis of rate for the coursed rubble stone masonry. In cement mortar 1:4. Assuming the suitable rate for required material and the manpower.

Q.25 Workout the quantities of the following items of work from wall:-

- 1) Excavation for foundation
- 2) Cement concrete 1:4:8 in foundation
- 3) 1st class brick masonry 1:4 in foundation and plinth
- 4) 1st class brick masonry 1:4 in superstructure.



Note :* All, Dimensions are in m.

* Assume suitable dimensions as required if specified or not visible clearly in the give figure.