

7. Estimate the rate for cement concrete 1 : 2 : 4 for 10 cu. m.
Assume suitable rate for material and labour. 20

SECTION – D

8. Explain valuation purpose and principle. Also explain
different method of valuation 20
9. (a) Explain procedure for maintaining cash book. 10
(b) What is muster roll and its use. Also explain rule
followed to prepare muster roll. 10

Roll No.

24513

**B. Tech. 7th Semester (Civil Engg.)
Examination – December, 2016**

ESTIMATING & COSTING

Paper : CE-405-F

Time : Three Hours]

[Maximum Marks : 100

*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.*

*Note : Question No. 1 is compulsory. Attempt one
question from each Section.*

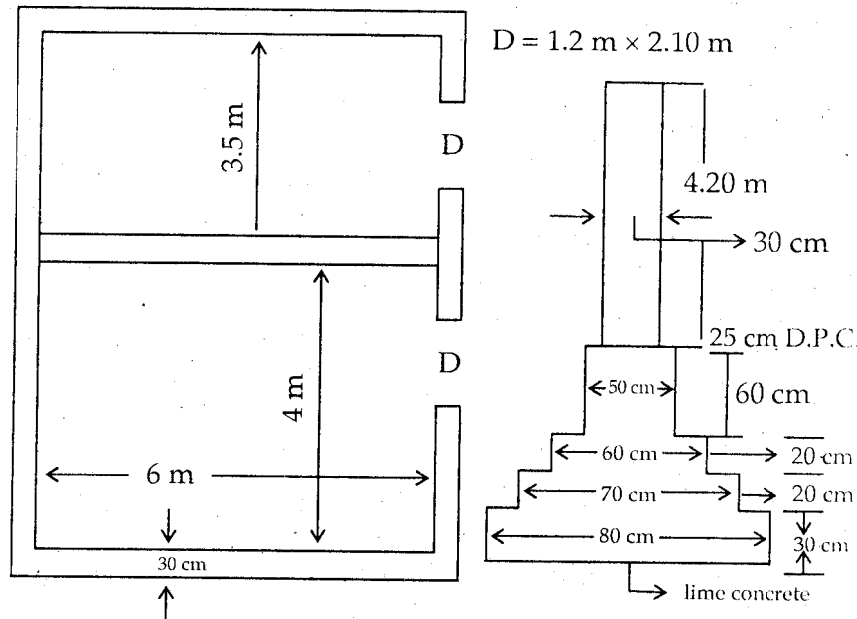
1. Explain :

- (a) Different type of Estimation 4
(b) Type of specification 4
(c) Requirement of Rate Analysis 3
(d) Acceptance of Tender 3
(e) Earnest money 3
(f) Security money 3

SECTION - A

2. Estimate the quantities of following item of a two roomed building. 20

- (a) Earthwork.
- (b) Lime concrete in foundation.
- (c) Ist class brick work in cement mortar 1 : 6 in foundation & plinth.
- (d) 2.5 cm D.P.C.
- (e) Ist class brickwork in lime mortar in superstructure.



24513-4200-(P-4)(Q-9)(16) (2)

- 3. (a) Explain Need of Estimate and Different method of building estimate. 12
- (b) Discuss General item of work and Units require to measure them. 8

SECTION - B

- 4. Write detailed specification for : 4 × 5 = 20
 - (a) Concreting
 - (b) Distempering
 - (c) Painting
 - (d) R.C.C.
- 5. Write detailed specification for : 4 × 5 = 20
 - (a) Brickwork
 - (b) White washing
 - (c) 2.5 cm D.P.C.
 - (d) Earthwork

SECTION - C

- 6. Write the procedure of rate Analysis for : 4 × 5 = 20
 - (a) Earthwork
 - (b) Concrete work
 - (c) Reinforced brickwork
 - (d) Finishing

24513-4200-(P-4)(Q-9)(16) (3)

P. T. O.