

24513

**B. Tech 7th Semester (Civil Engg.)
Examination – May, 2018**

ESTIMATING AND COSTING

Paper : CE-405-E

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.

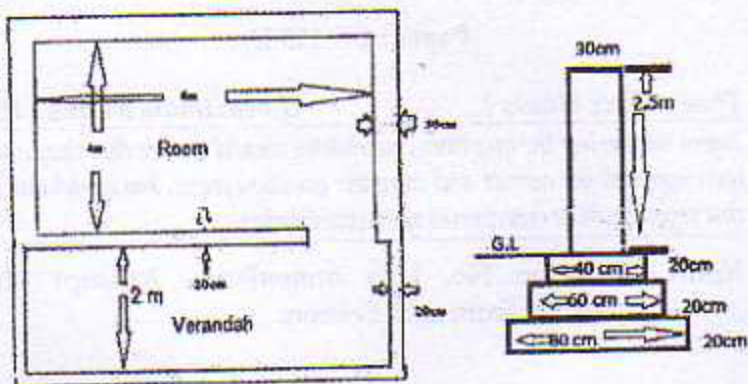
Note : Question No. 1 is *compulsory*. Attempt one question from each Section.

1. Explain : 20
- (a) Security money
 - (b) Different type of specification
 - (c) Retention money
 - (d) Factor affecting rate analysis
 - (e) Derived units
 - (f) Valuation
 - (g) Cash book

(h) Measurement book

SECTION - A

2. What do you mean by estimate. Also explain the different method of estimate in detail. 20
3. Find the quantity of earthwork, lime concrete in foundation and brickwork in super structure of Single room with verandah as per plan and elevation given below. And door size $1.2\text{m} \times 2.0\text{m}$. 20



SECTION - B

4. Write the detail specification for the following item :20
 - (a) DPC
 - (b) Brickwork
5. Explain the specification for different class of building. 20

SECTION - C

6. Find the rate analysis for 10 cu. m RCC work of M20 grade. 20
7. What is rate analysis ? Also explain its importance in construction work. Find the rate analysis for 100sq m of DPC 2 cm thick. 20

SECTION - D

8. What do you mean by valuation ? Explain the principle of valuation . what are the different method of valuation. 20
9. What do you mean by Tender and. its acceptance ? Describe in detail various terms and condition of contract which are to be formulated whlie.inviting tender for a civil work. 20
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