

Roll No.

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.

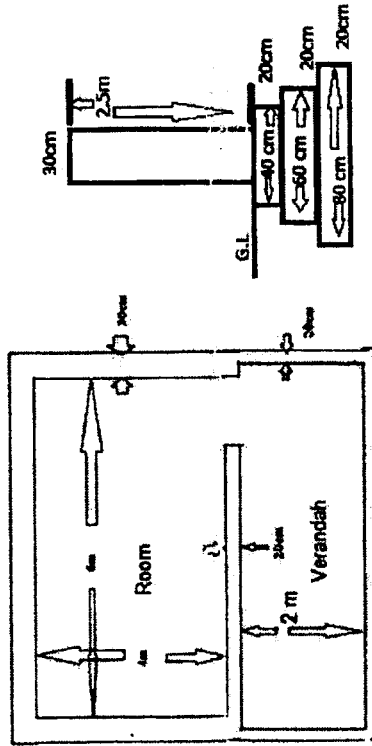
1. Explain : 20
- (a) Security money
 - (b) Different type of specification
 - (c) Retention money
 - (d) Factor affecting rate analysis
 - (e) Derived units
 - (f) Valuation
 - (g) Cash book

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P. T. O.

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 1.2m x 2.0m. 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