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B.Tech. (Civil Engg.) 8th Semester (G-Scheme)

Examination, July-2022

ESTIMATION COSTING AND VALUATION

Paper- PCC-CE-402-G

Time allowed : 3 hours]

[Maximum marks : 75

Before answering the questions, candidate should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

***Note:** Attempt five questions in all, selecting one-question from each section. Question no. 1 is compulsory. All question carry equal marks.*

1. Describe the following:

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- (a) Necessity of specification
- (b) Traditional material
- (c) Purpose of Abstract
- (d) Earnest Money
- (e) Gross Income
- (f) Purpose of Estimating

Section-A

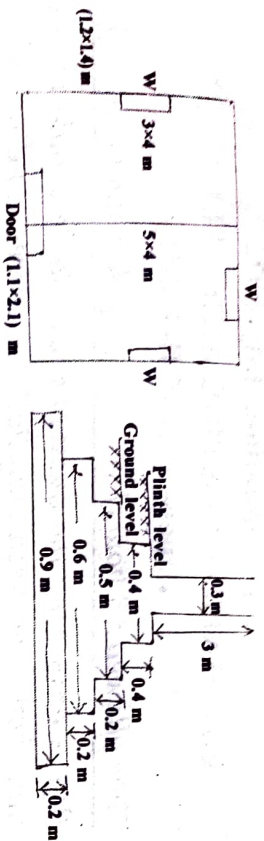
2. (a) What do you mean by estimation and also explain different method of estimation. 7

(b) Explain different types of estimation. 8

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3. Estimate the quantity by the long and short wall method of the following figure. 15



Section-B

4. (a) Explain the specification for different class of brick. 7
(b) Explain the detail specification of DPC and RCC. 8
5. (a) Explain different types of tool and equipment used in construction. 8
(b) Differentiate between traditional and modular material. 7

Section-C

6. Analysis of rate-for 150mm thick RCC slab in 1:1.5:3 (M20) ratio of slab 10m x 10m. Workout the quantity of dry material, cost of material and cost of RCC work and labor. 15

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7. (a) What do you mean by muster roll? Explain the maintenance of muster roll. 7
(b) Explain the process of preparation of final bill. 8

Section-D

8. (a) Explain in detail contract document. 7
(b) Define contract and also explain type of contract. 8
9. (a) What do you mean by valuation? and explain the purpose of valuation. 7
(b) What do you mean by mortgage lease? and explain different types of mortgage lease. 8

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