

Roll No.: .....

## SGT UNIVERSITY

### END TERM THEORY EXAMINATION JULY-2022

Faculty/College of Study:	Engineering & Technology	Year/Semester:	6 <sup>th</sup> Semester
Program:	B.Tech. (CE)	Duration:	03:00 Hrs
Course/Subject:	Estimation & Costing	Maximum Marks:	60
Course/Subject Code:	13010601	Batch:	2019

**Instructions:-**

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

### SECTION-A

#### (Very Short Answer Type Questions)

Note: All Questions are compulsory: -

[12X1=12 Marks]

S. No.	Question	Marks Allotted
1	What is Estimation?	1
2	Write the unit of measurement for brickwork in estimation?	1
3	What will be the unit rate for the concrete work?	1
4	Define specification in estimation?	1
5	Write general specification for brickwork in 2 <sup>nd</sup> class building	1
6	Write general specification for brickwork in 1 <sup>st</sup> class building	1
7	What is rate analysis?	1
8	What are the charges of masons for plastering?	1
9	Define unit rate.	1
10	Explain the utility of cash book.	1
11	Define security money?	1
12	What is sinking fund?	1

**SECTION-B**  
**(Short Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X2=8 Marks]**

S. No.	Question	Marks Allotted
13	How economy can be achieved in estimation.	2
14	List the factors affect the specification.	2
15	Explain the process of rate analysis.	2
16	What is retention money?	2

**SECTION-C**  
**(Descriptive Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X4=16 Marks]**

S. No.	Question	Marks Allotted
17	Explain different methods for estimation in detail?	4
18	Explain different types of specification in detail?	4
19	Rate analysis depends on various factors, Explain all in detail.	4
20	What is the principle for valuation?	4

**SECTION-D**  
**(Long Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X6=24 Marks]**

<b>S. No.</b>	<b>Question</b>	<b>Marks Allotted</b>
21	What is centre line method? Also estimate quantity of Earthwork in foundation and brickwork by taking a suitable example.	6
22	Explain detailed specification for 1 <sup>st</sup> class brickwork & plastering.	6
23	Calculate rate for lime concrete in foundation.	6
24	Explain valuation? Also explain necessity of valuation?	6