

THE KAVERY ENGINEERING COLLEGE
(An Autonomous Institution)

B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, NOV /DEC 2024

Seventh Semester

Civil Engineering

CE3701 - Estimation, Costing and Valuation Engineering

Regulations - 2021

Duration : 3 Hrs

Maximum : 100 Marks

PART - A (ANSWER ALL QUESTIONS) (Marks 10*2=20)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
1.	Write the recommendation for degree of accuracy in measurements.	RE	1	2
2.	Compare abstract estimate and detailed estimate.	UN	1	2
3.	Define the term "Overhead cost".	RE	2	2
4.	State the importance of rate analysis.	RE	2	2
5.	Summarize the purpose of collecting earnest money deposit.	UN	3	2
6.	Explain the terms encrypting & decrypting.	UN	3	2
7.	State the important legal implications of a contract.	RE	4	2
8.	List a few legal requirements of the construction contract.	RE	4	2
9.	What is the purpose of accumulating a sinking fund?	RE	5	2
10.	Define scrap value.	RE	5	2

PART - B (ANSWER ALL QUESTIONS) (Marks 5*13 = 65)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
11.	a Explain in detail the methods of estimation of roads.	AN	1	13
	Or			
	b i Explain the different types of estimates.	AN	1	6
	ii Explain the methods used to find the approximate cost of the building.	AN	1	7
12.	a Analysis various requirements to prepare analysis of rates for sanitary and water supply works.	AN	2	13
	Or			
	b i Explain in detail about the schedule of rates.	AN	2	7
	ii Categorize the factors affecting the schedule of rates.	AN	2	6
13.	a i Differentiate between detailed and general specifications in the context of civil engineering projects.	UN	3	7
	ii Explain the importance of clear and concise specifications in ensuring project quality and efficiency.	UN	3	6
	Or			
	b i Outline the key principles for preparing a comprehensive and informative tender document.	UN	3	7
	ii Explain the step-by-step tender procedure.	UN	3	6

14.	a	Examine the essential elements required for the formation of a valid contract document.	AN	4	13
Or					
	b i	Assess the various types of contracts commonly used in construction projects.	AN	4	7
	ii	Examine the role of arbitration in resolving construction disputes.	AN	4	6
15.	a	Assess the methods used to value buildings with examples.	AP	5	13
Or					
	b i	Infer the concept of depreciation and its impact on the value of assets.	AP	5	7
	ii	Explain different methods of calculating depreciation.	AP	5	6

PART - C (Marks 1*15 = 15)

Q.No	Questions	BLT	CO	Marks
16.	a	CR	4	15
	Estimate the quantities of the following items of a two roomed building from the given plan and section. (i) Earthwork in excavation in foundation, (ii) Lime concrete in foundation, (iii) 2.5 cm c.c. damp proof course, and (iv) 1st class brickwork in lime mortar in superstructure.			

TWO ROOMED BUILDING



