



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

InSem Examination-II Summer 2025	
Exam Seat No.:	
Academic Year: 2024-2025	Semester: VI
Class: TY	Program: B.Tech
Branch Code : CIV	Pattern: 22
Name of Course: Quantity Surveying	Course Code: CIV223015(A)
Max. Marks: 30	Duration: 1.15 Hrs.

Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains TWO pages.
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last column indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

Marks CO

Question No. 1

- 1 a) Outline the need of administrative approval and technical sanction in starting of any new construction work. (7) CO1, CO2

Question No. 2

- 2 a) Illustrate the method of measurement and rule for making deductions for openings for following. (8) CO1, CO2
i) Plastering to the wall surface. ii) Brick masonry in the superstructure.

OR

- 2 b) Simplify the necessity and importance of SSR in quantity surveying. (8) CO1, CO2

Question No. 3

- 3 a) Enlist and explain any three methods of approximate estimating. (7) CO1, CO2

Question No. 4

- 4 a) Prepare the rough estimate for a proposed commercial complex for a municipal corporation for the following data. (8) CO1, CO2

Plinth Area = 500 m²/floor ht. of each storey = 3.5 m

No. of storey's = G+2

Cubical content rate = Rs. 1000/m³

Provided for a following as a percentage of structured cost

- a) water supply & Sanitary arrangement -8%
- b) Electrification -6%
- c) Fluctuation of rates - 5%

d) Contractors profit - 10%

e) Petty supervision & contingencies - 3%

OR

4 b) Prepare approximate estimate of a town hall building having plinth area equal to 1500 m².

(8) CO1,
CO2

Plinth area rate Rs. 4,000 per m²

Water supply and sanitary installation- 5 % of cost of building

Electric installation — 10% of cost of building

Other services-5% of cost of building

Contingencies — 3% of overall cost of building

Supervision charges-8 % of overall cost of building

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