



### VI SEMESTER B.TECH. (CIVIL ENGINEERING)

### END SEMESTER EXAMINATIONS, MAY 2024

SUBJECT: CONTRACT MANAGEMENT FOR ENGINEERS [CIE 4302]

REVISED CREDIT SYSTEM

(10-05-2024)

Time: 3 Hours

MAX. MARKS: 50

#### Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

Q.NO.	DESCRIPTION	MARKS	CO	BL
1A	Choose the type of contract suitable for the following works and justify the basis for selection:  a) Construction of a heritage monument b) Construction of a 1BHK house c) Earthwork excavation for the foundation of a large commercial complex d) Design of the structural elements for the bridge	4	CO1	3
1B	Examine the following issues in the tendering process and suggest suitable actions that the Principal can take:  a) Tenders received show the same postal registration b) The lowest tender received has a few pages missing c) The bid price is too low or too high as compared to the base price d) Death of a tenderer	4	CO2	3
1C	For a specific project, the client specifies the issue of critical materials such as cement and steel. However, during the execution, despite placing the order in advance, the client fails to fulfill the requirement.  Explain i) the issue and ii) possible consequences for the contracting parties.	2	CO3	3
2A	Illustrate the risk-sharing mechanism between the client and contractor for a) Lumpsum, b) Turnkey, c) Item rate, and d) Cost-plus contracts.  Determine the possible reasons for the same.	4	CO1	3
2B	Examine the suitable method of tendering for the following works:	4	CO2	3



	a) Construction of low-cost housing for poor and low-income people b) Repair and rehabilitation of a bridge c) Setting up of a solar-powered town. Explain the basis for selection.			
2C	Identify the importance of keeping the files and records in Engineering contracts.	2	CO3	3
3A	Identify and explain, under the Indian Contract Act 1872, the clauses for the Contractor to claim compensation for the breach by the Principal.	4	CO3	2
3B	The courts generally uphold the decisions made by the DRB. Justify.	4	CO4	3
3C	Explain the applicability of Force majeure in Engineering contracts.	2	CO3	2
4A	Compare the roles of the following third parties in resolving a dispute: a) Mediator b) Conciliator c) Arbitrator.	4	CO4	4
4B	Explain the key features of the Arbitration and Conciliation Act 1996 emphasizing the special status of Conciliation.	4	CO4	3
4C	Compare 'local competitive bidding' and 'International competitive bidding' based on the features and dispute resolution mechanisms adopted.	2	CO5	2
5A	zexplain the following: a) Arbitration agreement b) Terms of reference c) Position paper d) Rebuttal paper.	4	CO4	3
5B	Establish the conflict-claim-dispute relationship in an engineering contract.	3	CO4	3
5C	Decscribe the special features of International contracts.	3	CO5	2