

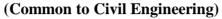
### SNS College of Technology, Coimbatore-35(Autonomous)



### B.E/B.Tech—Internal Assessment Examination III Academic Year 2022-2023(Odd)

### VII Semester

## 19CEE409 – REPAIR AND REHABILITATION OF STRUCTURES





7	Гіте	: 1 <sup>1/2</sup> Hours	Maximum Marks: 50		
		Answer All Questions			
		PART - A (5X2 = 10)  CO			Blooms
1.	Wha	t is vacuum concrete?	2	CO 4	Rem
2.	Outl	ine the premilinary investigation before demolition of a structure?	2	CO 4	Und
3.	Wha	t is foamed concrete?	2	CO 4	Rem
4.	How	do you inspect concrete structures?	2	CO 5	Rem
5	Illus	strate any four test to determine strength of concrete structures	2	CO 5	Und
		<u>PART B — <math>(2 \times 13 = 26 \text{ Marks})</math></u>			
6	(a)	With neat sketch explain Vacuum concrete (or)	13	CO 4	Eva
	(b)	Explain demolition process of damaged structure	13	CO 4	Cre
7	(a)	Write short note on distress concrete structure	13	CO 4	Eva
		(or)			
	(b)	Discuss some case studies related to rehabilitation of corrosion and erosion damaged structures	d 13	CO 5	Ana
		<u>PART C — <math>(1 \times 14 = 14 \text{ Marks})</math></u>			
8	(a)	List out the various corrosion protection methods and explain any three methods	14	CO 4	Ana
		(or)			
	(b)	Write short note on distress concrete structure	14	CO 5	Eva

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Rem – Remembering, Und- Understanding, App – Apply, Ana – Anlayzing, Eva – Evaluate, Cre - Creating

Reg.No:
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### SNS College of Technology, Coimbatore-35(Autonomous)



# B.E/B.Tech – Internal Assessment Examination III Academic Year 2022-2023(Odd)

#### VII Semester 19CEE409 – REPAIR AND REHABILITATION OF STRUCTURES

(Common to Civil Engineering)

B

Time: 1 <sup>1/2</sup> Hours				Maximum Marks: 50					
		Answer All Questions							
		PART - A (5X2 = 10)		CO	Blooms				
1.	Wh	at is vacuum concrete?	2	CO 4	Rem				
2.	Wł	nat is corrosion inhibitor?	2	CO4	Rem				
3.	What are the factors in selecting demolition procedure?			CO 4	Und				
4.	Define distress			CO 5	Rem				
5	Но	w deterioration on concrete structures occurs due to corrosion?	2	CO 5	Rem				
		<u>PART B — <math>(2 \times 13 = 26 \text{ Marks})</math></u>							
6	(a)	Briefly explain about vacuum concrete (or)	13	CO 4	Ana				
	(b)	Explain demolition process of damaged structure	13	CO 4	Eva				
7	(a)	Describe the preliminary procedures in demolition of a structure (or)	13	CO 4	Cre				
	(b)	Discuss some case studies related to rehabilitation of bridge and how to identify the repairs?	13	CO 5	Eva				
<u>PART C — <math>(1 \times 14 = 14 \text{ Marks})</math></u>									
8	(a)	List out the various corrosion protection methods and explain any three methods	y 14	CO 4	Ana				
		(or)							
	(b)	Discuss some case studies related to rehabilitation of corrosion and erosion damaged structures	14	CO 5	Cre				

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Rem – Remembering, Und- Understanding, App – Apply, Ana – Anlayzing, , Eva – Evaluate, Cre - Creating