Reg.No: | | | | | | | |

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)

A

Time: 1 1/2 Hours **Maximum Marks: 50**

Answer All Questions

	PART – A (5X2 = 10)	CO		Blooms
1.	What is vacuum concrete?	2	CO 4	Rem
2.	Outline the premilinary investigation before demolition of a structure?	2	CO 4	Und
3.	What is foamed concrete?	2	CO 4	Rem
4.	How do you inspect concrete structures?	2	CO 5	Rem
5	Illustrate any four test to determine strength of concrete structures	2	CO 5	Und

PART B — (2 x 13 = 26 Marks)

6	(a)	With neat sketch explain Vacuum concrete	13	CO 4	Eva
		(or)			
	(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	13	CO 5	Ana

PART C — (1 x 14 = 14 Marks)

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

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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 1/2 Hours **Maximum Marks: 50**

Answer All Questions

PART – A (5X2 = 10)

			CO	Blooms
1.	What is vacuum concrete?	2	CO 4	Rem
2.	What is corrosion inhibitor?	2	CO4	Rem
3.	What are the factors in selecting demolition procedure?	2	CO 4	Und
4.	Define distress	2	CO 5	Rem
5	How deterioration on concrete structures occurs due to corrosion?	2	CO 5	Rem

PART B — (2 x 13 = 26 Marks)

6	(a)	Briefly explain about vacuum concrete	13	CO 4	Ana
		(or)			
	(b)	Explain demolition process of damaged structure	13	CO 4	Eva
7	(a)	Describe the preliminary procedures in demolition of a structure	13	CO 4	Cre
		(or)			
	(b)	Discuss some case studies related to rehabilitation of bridge and how to identify the repairs?	13	CO 5	Eva

PART C — (1 x 14 = 14 Marks)

8	(a)	List out the various corrosion protection methods and explain any three methods	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