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(10 Marks)

(10 Marks)

Seventh Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025 Construction Technology for Substructures and Super Structures

Tir	ne: 3	3 hrs.	Max. M	1arks: 100		
	Note: Answer any FIVE full questions, choosing ONE full question from each module.					
	Module-1					
1	a.	Write a note on Micro Tunnelling.		(10 Marks)		
	b.	Write a note on TBM.		(10 Marks)		
2	0	OR What is hadding of conduits applein its significance		(10 Mayles)		
2	a. b.	What is bedding of conduits explain its significance. Explain different methods of compaction technology.		(10 Marks) (10 Marks)		
	U.	Explain different methods of compaction technology.		(10 Marks)		
	Module-2					
3	a.	What is underwater drilling and blasting give one case study.		(10 Marks)		
	b.	Explain Jet grouting with a neat sketch.		(10 Marks)		
				*		
		OR	1.			
4	a.	What is the role of dewatering in shallow and deep excavation and list	st various m	ethod. (10 Marks)		
	b.	Explain well point system with a neat sketch.		(10 Marks)		
				,		
		Module-3				
5	a.	Write a note on operation and erection of R.M.C plant.		(10 Marks)		
	b.	Write a note on Concrete mix design.		(10 Marks)		
		OP				
OR 6 a. Explain underwater concrete and its significance and also list the various methods used.						
6	a.	Explain underwater conference and its significance and also list the var	ious memoc	(10 Marks)		
	b.	Write a note on Self-Compacting Concrete.		(10 Marks)		
_		Module-4				
7	a.	Write a note on piles in land and marine structures.		(10 Marks)		
	b.	Explain initial and routine tests on piles as per codal specifications.		(10 Marks)		
		OR				
8	a.	Write a note on pile driving by vibration and construction of micro p	iles.	(10 Marks)		
	b.	Write a note on Diaphragm walls.		(10 Marks)		
		Module-5	CC 1 C			
9	a.	What are cofferdams and explain the construction of a double wall construction of a double wall construction of a double wall construct the ways of cofferdams and explain construction of a double wall constructed wall construction of a double wall constructed wall cons		(10 Marks)		
b. State the uses of cofferdams and explain concrete wall movable cofferdams. (10 Marks)						

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OR

10 a. What are the differences between pneumatic and open caissons?

b. Write a note on Well foundations.