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Improvement test – May. 2018

Sub:	Concrete Technology				Sub Code:	15CV44	Branch:	Civil Engg		
Date:	22.05.18	Duration:	90 min's	Max Marks:	50	Sem / Sec:	4 A & B	OBE		
<u>Answer any FIVE FULL Questions</u>								MARKS	CO	RBT
1 (a)	List and explain the factors which influence the 'compressive strength' of concrete.						[10]	CO5	L2	
2 (a)	Explain how compressive and flexural strength of concrete is determined in the laboratory with the help of neat sketches.						[10]	CO5	L2	
3 (a)	Write short note on creep and shrinkage that take place in concrete.						[10]	CO5	L2	
4 (a)	What do you mean by non-destructive testing of concrete? List different NDTs and briefly explain any two of them with the help of neat sketches.						[10]	CO5	L2	
5 (a)	List different type of fibres used to produce FRC. Briefly discuss on the factors effecting properties of FRC.						[10]	CO6	L2	
6 (a)	List the different laboratory tests conducted on fresh Self compacting concrete (SCC). Briefly discuss any one of them in detail with the help of neat sketch and write a typical mix for SCC.						[10]	CO6	L2	
7 (a)	Write short note on advantages and disadvantages of using RMC.						[10]	CO6	L2	
8 (a)	List the factors affecting durability of concrete. Explain carbonation and sulphate attack.						[10]	CO5	L2	

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