Master's Civil-Sem-I- CBSqs-ACM



4/12/15

QP Code: 31776

				(3 Hours)			Total Marks: 80
N.B	1) A	nswer any	four questions.			1.	
	2) E	ach main (Question carries ed	qual marks.			570 .
Q.1	a) Ex	plain gene	ral engineering pr	operties of build	ng materials alor	ng with their	Marine State of the State of th
	ac	ceptance o	criterias.			lugar	10 Marks.
	b) Ex	oplain "Silic	ca fume concrete"	' in detail.			10 Marks
Q 2)	Expl	ain:-				O,	20 Marks.
	2) 3)	Hydra set Compositi	ecting the effective ons of basic building divanced construction	ng materials.	. (ions.	
Q 3)	Wh	at is self c	ompacting concre	te? Explain in de	ail how it is prep	pared?	
	Also	explain the	he tests conducted	on fresh SCC.	10		20 Marks.
Q 4.	a) E	xplain how	fly ash can be uti	lized efficiently i	concrete?		10 Marks.
	b) W	hat do you	understand by,"	Air entrained co	ncrete"?		
	Ex	plain how	it is prepared? Als	o state its applica	ation in practice.		10 Marks.
Q 5. a) Define." 'High Performance Concrete"' Explain salient features of HPC.							
	Α	lso explain	the classification	of HPC.	• .		12Marks.
b) Which chemical admixtures are used in construction practices? Explain in detail							
	alc	ong with the	heir purposes.			-	08Marks.
Q 6)	Writ	e short no	tes on followings (any four)		,	20 Marks
	b) c) d)	Role of sur Materials	SIMCON erials used in cons perplasticisers in c used in nuclear str te of Self compacti	oncrete mix. uctures			
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