Enrolment No.

		M. E SEMESTER – I • EXAMINATION – WINTER • 2013	
Subject code: 711402N Date: 26-12-2			
	•	t Name: Construction Techniques	
Ti	me: 1	10.30 am – 01.00 pm Total Marks: 70	
In		ctions:	
	2	Attempt all questions.Make suitable assumptions wherever necessary.Figures to the right indicate full marks.	
Q.1	(a)	Describe the construction and operation sequence of climbing scaffolding system with sketches.	07
	(b)	·	07
Q.2	(a)	What is grouting. Discuss grouting materials. Describe various grouting methods.	07
	(b)	Enlist various Nano particles. Discuss any one Nano particles in detail. OR	07
	(b)	Discuss the applications and benefits of Nanotechnology in Construction.	07
Q.3	(a)	Explain slurry trench method for dewatering system?	07
	(b)	Discuss limitations and benefits of the slip form system. OR	07
Q.3	(a)		07
	(b)	Explain various applications of SCC in construction industry.	07
Q.4	(a) (b)	Discuss advantages and limitations of RMC. State aims and objectives of modular co-ordination. OR	07 07
Q.4	(a) (b)		07 07
Q.5	(a) (b)	Discuss applications and advantages of Rib-Loc technology. Write short note on: High Volume Fly Ash Concrete. OR	07 07
Q.5	(a)	Write short note on: Pervious Concrete.	07

(b) Discuss about Dowell retrofitting.

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