Regis	strat	tion no:											
Total Number of Pages: 2 210 210 210 210													
3 RD Semester Back Examination 2016-17 BUILDING MATERIALS AND BUILDING CONSTRUCTION BRANCH: CIVIL													
210		Time: 3 Hours 210 Max Marks: 70 Q.CODE: Y575	21										
Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.													
Q1 ₂₁₀	a) b) c)	Answer the following questions: What are the raw materials used in the manufacture of cement? What is the compressive strength of first class brick? Define workability of concrete.											
210	d) e) f) g) h) i)	Name four different types of useful Indian stones. State various types of stairs. State various types of binders used for plastering. What do you mean by <i>bull nose</i> brick. State the methods adopted for stone quarrying. Explain the term "dado" in reference to plastering. What do you mean by rubble masonry?	21										
Q2		Describe the dry process of manufacture of cement. Draw a figure and show various stages.	(10)										
Q3 0	a) b)	Explain the various types of stone masonry with neat sketches. Make a comparison between stone masonry and brick masonry.	(5) 21										
Q4	a)	Explain the workability of concrete. How the workability of a concrete sample is measured?	(5)										
210	b)	What is concrete mix design. 210 210 210	(5) 21										
Q5	a)	Discuss various causes of cracks in building. How these should be	(5)										

What are the common defects in plastering? What are their causes and

removed?

remedies? Discuss.

(5)

	Q6		What is		proofing? How	is it constructed	d? Explain with	(5)	
10	210			ort notes on: balustrade spandrel newel post	210	210	210	²¹⁰ (5)	210
	Q7				s of a foundations of spread foo		ential requireme	ents. (10)	
10	210 Q8	a)	Write sh Flemish	nort answer o	on ANY TWO:	210	210	(2 X 5)	210
		b)	Cavity w						
		c)		n of cement					
10	210	d)	Artificial 210		210	210	210	210	210
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