Regi	strat	ion No. :													
Total number of printed pages – 2 B. PCCE													Tech 4203		
Third Semester Back Examination - 2014															
BUILDING MATERIALS AND BUILDING CONSTRUCTION															
					BR	ANC	: H	CIVI	L						
QUESTION CODE: L 315															
Full Marks - 70															
	Time: 3 Hours														
	Answer Question No. 1 which is compulsory and any five from the rest.														
		The	figure	es in	ige ri	ght-h	and I	marg	h ide	licate	mar	s.			
1.	Answer the following questions : 2×10														
	(a)														
(b) What are varieties of fire bricks .and explain anyone in brief?											•				
(c) Name four different types of useful Indian Stones.															
	(d)	What do	you m	ean l	by wa	ater c	emer	nt rati	0?						
	(e)	2 - 10 Linux de Mary differ in compressive etrenath?													
	(f)	f) What is frog? What are its functions in bricks?													
	(g)	to a fact a paring appropriate of poil 2													
	(h)	no company to the company of the com													
	(i)														
	(j)	What do you mean by special repair of building?													
2.	(a)) What are the different bonds used in a brick masonry? Explain abou											about		
	English bond 1 brick, 1 1/2 brick and 2 brick thick wall masonry using neat														
	sketches.												5		
	(p)	Explain t	he va	rietie	s of fi	nishe	sobt	aineo	by d	ressir	ng of s	stone	S	5	
3.	(a)														
		materials	and methods used for prevention of dampness?												
	(b)	 Why stairs are necessary in buildings? What are the different type: 									ypes of				

stairs used in buildings?

5

Describe the dry process of manufacture of cement. Draw a figure and show 4. various stages of manufacture. 10 (a) What are the precautions to be taken while making the use of mortar? 5. (b) Describe the construction of a cavity wall. What precautions do you observe in its construction? (a) What are the causes of cracks in a building? Describe the preventive 6. measures. Discuss the suitability of various materials used in plastering. What are the (b) various defects in plastering? How will you rectify them? Explain the requirements of good foundation. What is bearing capacity and 7. explain any other method to find the bearing capacity of soil? Explain the different types of shallow foundations in detail. (b) 5 Write short notes on: 8. 2×5 Reinforced brickwa (a)

Segregation and bleeding of concrete

(b)

(c)

(d)

(e)

Terrazzo flooring

Mix design.