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WAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B.Tech II Year II Semester Examinations, May - 2016 BUILDING MATERIALS, CONSTRUCTION AND PLANNING

***	(Com	mon to CE, CEE)	* * * * *	* * × *	x x x			
/ime:	3 Hours		Ma	x. Marks: 75				
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units: Answer any one full question from each unit: Each question carries 10 marks and may have a, b, c as sub questions.							
		PART- A		(25 Marks)				
1.a) c) d)	List out the qualities of a good by Differentiate between Natural at What are the ingredients of Port Define mineral admixtures and good by the control of t	nd artificial seasonings land cement?"	· K9	[2] [3] [2] [3]	KÜ			
e) f) .g). h). i) j)	List out types of floors. Describe the importance of fire Distinguish between plastering a Define scaffolding and its uses. Give the classification of building What do you understand by printing the printing and its uses.	and pointing ings as per National Bui	ilding code.	[2] [3] [2] [3] [2] [3]	KO			
J)	what do you understand by prin		bunding:					
2,a)	What are the constituents of go ingredients.	PART-B od brick ¢arth? Explai	n about the fu	(50 Marks) unctions of its	* * * * * * * * * * * * * * * * * * *			
b)	List out the methods of quarrying	g and explain any one OR	method.	[5+5]				
3.a)	Explain about the defects in tim Describe the advantages and use	ber with neat sketches.	KS	[5+5]	* * * * * * * * * * * * * * * * * * * *			
4.a) b)	List out the laboratory tests on cement and explain any one test. Explain about the dry process of manufacture of cement with flow diagram.							
		OR		[5+5]				
5.a) b) c)	Describe the field tests on ceme List out the chemical admixture Briefly explain about hydration	nt.	K9	[3+3+4]	KU			
6.a) b)	List out types of roofs and explain Enumerate types of foundations List out types of arches.		neat sketch.	[4+3+3]				
7.a) b)	What do you mean by air-conditioning? Explain about any one method. Describe about the ideal requirements of acoustic design. [5+5]							
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b)	List out types of bonds in brick masonry and explain any one bond with a neat sketch. Sketch Sket										
9.a) b) 10.a)	Differentiate between be Define shoring. Explain Write short notes on: i) Building bye-laws for ii) Bye-laws for open are	about any or off-sets ea in building	ne method of shoring	KÜ	[5+5]	K9					
b)	Explain about the merits How do you achieve		OR		[5+5]	* × * * * * * * * * * * * * * * * * * *					
:11.a)	examples.					* * * × × * * * * * * * * * * * * * * *					
b) Explain with suitable examples the significance of 'aspect' in planning a residential building and prepare a typical aspect diagram for the area where the direction of prevailing breeze is from North-West. [5+5]											
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		K9	Kbl	Kb	KV						
K9	K9	K9	K9	K9	K9	K9					
K9	K9	K9	K9	K9	K9	K9					
K9	8 1 11		k anaResul		K9 o.in	K9					