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ET-204(B)

B.Tech. Civil (Construction Management) / B.Tech. Civil (Water Resources Engineering)

Term-End Examination December, 2010

ET-204(B): ENGINEERING MATERIALS						
Гіт	e : 3 ho	ours Maximum Marks	Maximum Marks: 70			
Note: Attempt any five questions. All questions carry equal marks. Your Answer should be in your own language.						
1.	(a)	How the lime is classified? What are the differences between lime and cement?	7			
	(b)	How the cement is manufactured? (Wet process)? Explain with sketch.	7			
2.	(a)	How can you make a building water proof using Bitumen? Explain with neat sketch.	7			
	(b)	Explain neatly, how tile adhesives are used? What are the properties and uses of adhesives?	7			
3.	(a)	How concrete flooring is provided?	7			
	(b)	What is FRC? What are the advantages and disadvantages of FRC?	7			

4.	(a)	What is Fineness of cement? How can you measure the fineness of cement in lab?	7			
	(b)		7			
5.	(a)	What are the different water reducing admixtures?	7			
	(b)	How the accelerators are useful in concrete making?	7			
6.	Wri	te short notes on the following: 4x3½	=14			
	(a)	Lime putty.				
	(b)	Grading of aggregate.				
	(c)	Raw materials for cement.				
	(d)	OPC.				
7.	Wri	te short notes on the following: $4x3\frac{1}{2}$	=14			
	(a)	Fly ash.				
	(b)	Ferro Cement.				
	(c)	Epoxy resins.				
	(d)	Retarders.				
8.	Writ	Write short notes on the following: $4x3\frac{1}{2}=14$				
	(a)	Super plasticizers.				
	(b)	Bitumen.				
	(c)	Marble flooring.				
	(d)	Tile flooring.				