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

Term-End Examination December, 2012

ET-204(B) : ENGINEERING MATERIALS

Time : 3 hours	Maximum Marks	: 70

Note : Attempt **any five** questions. All questions carry **equal** marks.

1.	(a)	Explain the c	classification	and uses of lime.	7
----	-----	---------------	----------------	-------------------	---

- (b) Describe the raw materials used for the 7 manufacturing of cement.
- (a) Explain the desirable characteristics of 7 Bitumen for road work.
 - (b) What do you mean by cutback Bitumen? 7Explain its various types.
- (a) Define "Sealing Agents". Explain the 7 properties and fields of application of MC-Fix-ST.

1

(b) Explain properties, fields, of application 7 and application procedure of ready to use Hydraulically setting fine mortar.

ET-204(B)

4.	(a)	Explain various factors on which strength 7 of concrete depends.	
	(b)	Describe the qualitative requirements of 7 floor.	
5.	(a)	Discuss various functions served by 7 admixtures in concrete mixes.	
	(b)	Discuss various methods of textured 7 concrete finishes.	
6.	(a)	Describe major advantages of using plastic 7 sections over wood.	
	(b)	Explain the various accessories used in cabel 7 trunking and the purpose of each.	
7.	Write	e short notes on the following : $4x3^{1/2}=14$	
	(a)	Gypsum Plaster	
	(b)	Foamed Concrete	
	(c)	Damp Proofing	
	(d)	Sandwich Panels	
8.	Diffe	rentiate between the following : $4x3^{1/2}=14$	
	(a)	Quick and Hydrated lime	
	(b)	Bonding and Sealing agents	
	(c)	Superplasticizers and plasticizers	
	(d)	Rock and Lake Asphalt	

ET-204(B)