GUJARAT TECHNOLOGICAL UNIVERSITY BPLAN- SEMESTER- 2 EXAMINATION – SUMMER 2016

0			: 01/06/2016	
Subject Name: Materials and Principle of Construction Time: 02.30PM-04.30PM Total M Instructions:		2.30PM-04.30PM Total Marks: 50	Iarks: 50	
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Q.1	(a)	 Attempt any 5 in one or two sentence 1. What is limestone? 2. What are the components of Bricks? 3. What are Bricks and it's Standard Sizes? 4. What are the physical Properties of Timber? 5. What is Timber decay? 6. What is the malleable property of Metal? 	05	
	(b)	 Short questions 1) manufacturing process of brick 2) manufacturing process of glass 	05	
Q.2	(a) (b)	Difference between softwood & Hardwood. Enlist types of cement & its chemical properties	05 05	
	(b)	OR	05	
	(b)	What are the advantages and disadvantages of using bricks?		
Q.3	(a)	List properties and uses of Granite, marble, stone, kota, brick, cement	05	
	(b)	Write production process of lime.	05	
Q.3	(a) (b)	OR Explain process of extraction of timber and Draw Cross-section of Timber. Write notes on manufacturing process of glass.	05 05	
Q.4	(a)	Write notes on advantages and disadvantages of timber	05	
	(b)	Enlist various types of glass.	05	
~ .		OR	• •	
Q.4	(a)	Define following components of building in single sentence. (any five) lintel, Plinth, Foundation, Parapet, Sill, Coping	05	
	(b)	Enlist various types of cement.	05	
Q.5	(a) (b)	Draft a wall section. Differentiate load bearing structure and frame structure.	05 05	
Q.5	(a)	OR What is the manufacturing process of brick?	05	
v	(a) (b)	What is the manufacturing process of brick? What is Cement, types of cements & its properties?	03 05	
