GUJARAT TECHNOLOGICAL UNIVERSITY BArch- SEMESTER- 1 EXAMINATION – SUMMER 2016

Subject Code: 1015003Date: 26/05.0Subject Name: Building Construction - ITotal MarkTime: 02.30PM - 05.30PMTotal MarkInstructions:1. Attempt all questions.1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.4. Supplement your answer with a neat sketch wherever necessary				
Q.1		Explain the following terms in brief and draw a neat sketch for the sa(For any four out of Six)1. King Closure2. Stretcher3. Header4. Frog5.Coping6. D.P.C.	ame 08	
Q.2	(a) (b)	construction	04 n 04	
	(b)	OR	04	
Q.3		Draft to a suitable scale; a typical 230 MM thick Brick wall section of a load bearing single story structure from Foundation to Parapet having a RCC slab. Show all necessary levels and label all components. OR		
Q.3		Draft to a suitable scale; a wall section for a compound wall from foundation. The wall is 350 MM thick and having square rubble un-coursed masonry. Label all components.		
Q.4	(a) (b)	Enlist any four techniques used for Mud construction and explain them in brief.	nry. 04 04	
Q.4	(a)		ous 04	
	(b)	components. Define the term "Bond" in reference to Brick Masonry. Differentiate between English bond and Flemish Bond.	04	
Q.5		Draft to a suitable scale; Plan and Elevation of a right angle ("L") junction of one and half brick wall in Flemish Bond showing Min. 3 Odd and 3 Even courses	08	
Q.5		OR Draft to a suitable scale; Plan and Elevation of a right angle ("L") junction of one and half brick wall in English Bond showing Min. 3 Odd and 3 Even cour	08 ses	
