Seat	No.:		

Enrolment No.____

GUJARAT TECHNOLOGICAL UNIVERSITY

BArch- SEMESTER- 1 EXAMINATION - SUMMER 2016

	•	Code: 1015003	Date: 26/05/20	Date: 26/05/2016		
Tiı	ne: (truction 1.	Attempt all questions. Make suitable assumption Figures to the right indica	ns wherever necessary. Ite full marks.		40	
Q.1		Explain the following te (For any four out of Six) 1. King Closure 4. Frog	erms in brief and dr 2. Stretcher 5.Coping	aw a neat sketch for the same 3. Header 6. D.P.C.	08	
Q.2	(a) (b	Write an explanatory note construction Enlist the joints used in Tithe same (any four)	_	nd disadvantages of Mud d draw a neat sketch to explain	04 04	
	(b	Write an explanatory note	OR on the of Bamboo co	onstruction.	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)	Write an explanatory note on Stone masonry covering various types of masonry. Enlist any four techniques used for Mud construction and explain them in brief.				
Q.4	(a) (b)	OR Write a short-note on RCC frame structure explaining the function of its various components. Define the term "Bond" in reference to Brick Masonry. Differentiate between English bond and Flemish Bond.				
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				
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 course				
