Roll No	· ····································	
Total N	lo. of Questions : 06 Total No. of Pages : 0	01
	Paper ID	
	B.Arch. (Sem1st)	
	BUILDING CONSTRUCTION AND MATERIALS – I (AR-102)	
	4 Hours Maximum Marks:	60
Instruct	tions to Candidate:	
Attempt	any One question from each part.	
	PART – A	
Q.1 (a)	Define:-	
	Queen closer	(9)
	King closer	
	Mitred closer	(11)
	Sketch and explain the difference between English bond and Flemish bond.	(11)
	Draw plans of alternate courses and a cross- section through an L shaped 13 ^{1/2}	(20)
	thick brick walls in English bond.	(20)
	DADT D	
	PART - B	f
	Briefly describe with the help of sketches the step by step procedure for construction of	(8)
	Segmental arch in brick masonary.	(0)
	Draw the relevant plans, Elevation, Sectional details for a brick jalli of size	(12)
	12'x8'.	(12)
Q.4 (a) V	Write illustrated short notes on any two of the following:	
**************************************	Window sill and lintel.	
	Coping and threshold details. Flat and semicircular arch in brick masonary.	(9)
	Flat and semicircular archim blick masonary.	
	Design a Brick jalli of 6'-0" height for the terrace of your house. Draw its plan,	(11)
e	levation and section.	
	PART – C	
Q.5 D	Draw plans and cross-section through an 18" thick coursed ashlar stone masonary	(20)
	vork.	(20)
Q.6 (a) D	escribe with sketches:-	
(1) R	andom rubble masonary coursed (2) Difference Between Plastering and Points	
(1) (hat are the different types of stones used in stone masonary? Discuss common de	
		(20)
	f stone	