Seat No:	Enrollment No:
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PARUL UNIVERSITY

FACULTY OF ARCHITECTURE

B.Arch Supplementary Examination, Summer 2015-16

Sub	•	de: 01101102 Time: 10:00AM	Date: 02/05/2016 Time: 10:00AM to 1:00PM Total Marks: 50	
Inst	ructions	y:		
1. 2. 3. 4. 5.	 Q1 & Q2 are compulsory questions in each section. Only one question has to be attempted out of Q3 and Q4 in each section. Figures to the right indicate full marks. 			
		SECTION: A		
Q:1		What is stone masonry? Enlist any five types of stone masonry. Draw / draft - Elevation and Section of 350 mm thick irregular coursed rubble wall, having height as 1500mm & Width 1000mm.	(10)	
Q:2	(a)	Give classification of bricks. And explain the factors affecting the qualities of bricks.	(5)	
	(b)	Write characteristic features, advantages and disadvantages of Bamboo as a potential building material.	(5)	
		OR	.=	
0.3	(b)	Draw and label any five true arches.	(5)	
Q:3		Define each the following: a. Arch, b. Lintel, c. Masonry, d. Stonework, e. Bond	(5)	
		OR		
Q:4		Enlist various types of Mud Construction Techniques – Explain any two with suitable sketches.	(5)	
		SECTION: B		
Q:1		What is Brickwork? Draw / Sketch the Elevation, Plan (Odd and Even Courses) & Isometric view of the following: a. English Bond b. Double Flemish Bond.	(10)	
Q:2	(a)	Differentiate the following: 1. Sun dried bricks v/s burnt bricks 2. Brick masonry v/s stone masonry	(5)	
	(b)	Explain the following: 1. The manufacturing process of brick. 2. Explain the classification of rock & enlist the types of stones. OR	(5)	
	(b)	Enlist types of brick bonds and explain single Flemish bond in detail.	(5)	
Q:3		Fill in the blanks:	(5) (5)	
-		a is the arch having semicircular intrados.b. A brickwork bond having alternate courses of headers and stretchers is called		
		c is the arch having horizontal intrados. d. A row of bricks, stones or blocks which form a horizontal band in masonry walling construction, either one brick or stone high, or of uniform height is		

	e. Aequal radii.	is a pointed arch having two centers a	nd usually	
	OR			
Q:4	2:4 Enlist and draw the different types of Joinery between bamboos.		(5)	