Enrolment No: _____

PARUL UNIVERSITY

FACULTY OF ARCHITECTURE & PLANNING

B.Arch. /B.ID Winter 2019-20 Examination

•	Code:	01101152 Building Material and construction -II	Time: 10:00	Date: 18-11-2019 Time: 10:00 am to 01:00 pm Total Marks: 50	
Instructio					
-		are compulsory.			
-		e right indicate full marks.			
		e assumptions whenever required.			
4. Draw s	suitable	e proportionate sketches whenever required.			
Q:1	Q:1 Define Footing and Draw / Draft Footing comprising of Section, Isometric Vi				
А		Alternate Footing course of Brick Pier. Scale of 1:20 (10)			
Q:2		Answer the following: (any 05)		(20)	
	(a)	Define the following:			
		1. ACP panels	3. Rafter		
		2. Brick Masonry	4. Timber Boards		
	(b)	Sketch the Following:			
		1. Batten	3. Buddle Joints		
		2. Collar Beam Roof	4. Double or Purlin Roof		
	(c)	Fill in the blanks:			
		1 is a material that is typical hard, opaque, shiny, and has good			
		electrical and thermal conductivity.			
		2 is a liquid substance used for providing a protective or decorative surface coating, consisting of a pigment and a binder which sets or is treated to form			
		a resistant film.			
	 are the joints used to increase the length of member. are two dimensionally curved beam constructions for 		ber.		
	supporting load between two points of support over an opening.				
	(d)				
		A. King Truss. B. Queen Truss.			
	(e)	Explain in brief the properties of Timber.			
	(f) What are Brick Arches? Enlist and Explain any 05 types of Brick Arches.				
Q:3		Explain the following: (any 05)		(10)	
		1. T Junction	4. Pitched Roof		
		2. Varnish	5. Mortise joints		
		3. Glass	6. Paints		
Q:4		Answer the following:		(10)	
	(a)	Differentiate between the Lengthening	oints & Widening joints. Sketc	h any two	
		lengthening and widening joints.			
	(b)	Define Brick Foundation. Enlist and Explain the types of Brick Foundations. Sketch the			
		supporting sketches.			
	(C)	What do you understand by a Squint Junct	on? Draw		