

## **RM-6051**

## B. Arch. I (Sem. I) Examination

May / June - 2010

## Building Material & Const. Technology - I

Time: 3 Hours]		[Total Marks: 100
Instructions:		
(1)		
	વિગતો ઉત્તરવહી પર અવશ્ય લખવી.	Seat No.:
	signs on your answer book.	
Name of the Examination :		
B. Arch. 1 (Sem.	1)	
Name of the Subject :		$\mathbf{W}_{1}$
<b>●</b> Building Material 8	& Const. Technology - 1	II .
Subject Code No.: 6 0	5 1 Section No. (1, 2,): Nil	Student's Signature
(2) Eigens on the	mindra in diasa Call as salar	
• •	right indicate full marks.	
(3) Neat sketches	will carry more credertials.	
•	owing into different type of building	igs 5
i Dance halls		·
ii orphanages		
iii Prisons		
iv Chawls		
v Barns	1 W	
• //	llowing stones in Igneous, sedimenta	ary and metamorphic 5
i Granite		
ii Llmestone		
iii Basalt		
iv Kankar		
v Quartzite		
		10
1 B Answer the folk	<del>-</del>	10
	for designing the bearing of the linte	
		cm.
	so known as	
Define		
	ktrados	
	oan dulterant	
	butment	
	oliated rocks	
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	d		Mention various loads acting upon a building			
	e		Soil In Ahmadabad is			
2			cuss Isolated piers in English as well Double Flemish bond. Draw neat tches			
3	a		Explain various types of construction systems and discuss in detail the system followed in your city?	10		
			or			
	b		Write various varities of cement available and discuss high alumina cement			
4		<b>An</b> a b	Explain Random Rubble Masonary.			
		C	Write a note on Raking Bond			
		d	What are Substructure and super Structure. Describe components of substructure and super structure.			
		e	Intermittent Kiln and Continuous Kiln.			
		f	Write note on Stretcher bond			
5			dist Classification of arches and explain in detail classification based on orkmanship	10		
6		a	Explain the role of foundation in transferring the load of the superstructure.  Explain various types of combined footing  or	10		
		b	Discuss quality of good building stone			
~	,	<b>.</b>	Abo following (Any Four)	20		
7		AI	a Isolated Footing			
			Distinguish between arch and lintel, how does flat stone arch differ			
			from stone lintel c Discuss various uses of stone.			
			d Discuss Quick Lime.			
			e Write a short note on Aggregates.			
			f Compare Brickwork and Stonework.			

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