Enrolment No: _____

PARUL UNIVERSITY FACULTY OF ARCHITECTURE & PLANNING B.Arch. / B.ID Winter 2019-20 Examination

Subject Code: 01101255 Time:		Date: 27/11/2019	
		Time: 10:00am to 12	-
	ct Name: Architecture & Environment IV	Total Marks: 50	
	ictions:		
	questions are compulsory.		
•	ures to the right indicate full marks.		
	ke suitable assumptions wherever required.		
4. Dra	w suitable sketches wherever required.		
Q.1	What is Rain water harvesting system? Explain the components of roof top rasystem with sketches.	in water harvesting	(10)
	system with sketches.		
Q.2	Answer the following: (Attempt any five out of six)		(20)
	a) Explain the following:		
	1) Climate Change.		
	2) Passive cooling.		
	b) Discuss energy flow in Ecosystem.		
	c) Discuss energy Pyramid with neat Sketch.		
	d) Write a short note on: Eco Friendly Architecture Material.		
	e) Write a Short Note on: Carbon Footprints.		
	f) What are the Micro Level benefits of ECBC?		
Q.3	Explain Briefly: (Attempt any five out six)		(10)
	a) EVAPORATIVE COOLING		
	b) MNRE		
	c) IGBC		
	d) SHGC		
	e) LEED		
	f) SHADING DEVICES		
Q.4	Answer the following: (Any two)		(10)
	a) Energy Efficiency in Building.		
	b) What are the different sections of rating and its point weightages in GI	RIHA rating?	
	c) Enlist tangible and intangible benefits of compliance with IGBC Ratin	0	