Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

Diploma Architecture - SEMESTER-V EXAMINATION - WINTER 2016

Subject Code: 3356204		Date: 29 /11/2016	
Subject Name: Environme Time: 10:30 am to 12:30 pr Instructions: 1. Attempt all questions. 2. Make suitable sketches whereve 3. Figures to the right indicate full 4. English version in authentic.	n Total Marks	s: 50	
	of Environmental Science co-relate with Architecture? micro, messo and biome ecosystem in detail.	05 05	
<ul> <li>Q2. (a) Define the following: (any final fina</li></ul>	ve)	05	
(b) Write a short note on ventil	ation.	05	
	OR		
<b>(b)</b> Explain the concept of orier	itation of building and cross ventilation.	05	
<ul><li>Q3. Write down design guidelines f</li><li>1. Hot Dry</li><li>2. Composite</li><li>3. Warm Humid</li></ul>	for the following climate zones: (any two)	10	
Q4. (a) Write a short note on Solar	Solstice in winter and summer season with appropriate sketches.  OR	05	
(a) Explain Sun path diagram, so	olar altitude angle and solar azimuth angle.	05	
<b>(b)</b> Explain Active and Passive t	hermal control.	05	
Q5. (a) State and explain different e (b) What is Courtyard Planning?	elements of climate.  State its application & advantages.	05 05	

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