PARUL UNIVERSITY FACULTY OF ARCHITECTURE & PLANNING B.Arch. / B.ID Summer 2018-19 Examination

B.Arch. / B.ID Summer 2018-19 Examination				
Semester: 2 Subject Code: 01101155 Subject Name: Architecture & Environment – II			Date: 15/05/2019 Time: 10:00 am to 12:00 pm Total Marks: 50	
Instructions: 1. All questions are comp 2. Figures to the right inc 3. Make suitable assump 4. Draw suitable sketches	licate full marks. tions wherever required.			
Q.1 Differentiate between "Hot and dry" & "Warm and Humid" climatic zone of India. Elaborate passive design techniques for "Hot and dry" & "Warm and Humid" climates in detail.				(10)
Q.2 Answer the follow	ving: (any 05) each of 04 marks			(20)
	tion of climatic zone in India			
2) Define the follow				
a) Conduct	ion b) Convention	c) Radiation	d) Evaporation	
 3) Fill in the Blanks: a) The branch of science is the one concerned with the physical, chemical, and biological conditions of the environment and their effect on organisms. b) The general climate of a large area, as of a continent or country is called c) The branch of is that which is concerned with the relationships between organisms and their environments. d) is the state of the atmosphere in terms of such variables as temperature, cloudiness, precipitation, and radiation. 4) Explain the following: a) Angle of Azimuth and Angle of Altitude b) Latitude and Longitude 5) Describe the Heat Exchange Process between human body and external environment. 6) Elaborate on: 'The Inter-Relationship of Architecture and Environment'. 				
0.3 Write a short not	a on:			(10)
a) Huma	n Comfort conditions. t of humidity on buildings.			(10)
Q.4 Explain in brief:				(10)
	imate and Macro climate.	b) Urban Heat Isl	and (UHI) Effect.	
	OR			
				(10)
Q.4 Answer the follo	wing:			
	re design techniques for climate resp re different types of shading device, ng?	•	ors to be considered while	