Seat No:_____

Semester: 2

PARUL UNIVERSITY FACULTY OF ARCHITECTURE B.Arch. Summer 2016-17 Examination

Enrollment No:_____

Date: 27-05-2017

Semester: 2Date: 27-05-2017Subject Code: 01101155Time: 10.30 am to 12Subject Name: Architecture and Environment-IITotal Marks: 50		12.30 pm
1. Ea 2. Q. 3. Q. 4. Or 5. Fi	ructions: ach section carries 25marks. 1 and Q.2.a are compulsory questions of each section. 2.b has sub optional questions. aly one question has to be attempted between Q.3 and Q.4. gures to the right indicate full marks. Trite section-A, section-B on separate answer sheets.	
	SECTION: A	
Q.1 Q.2 Q.2	What is 'Climate'? Enlist various parameters of climate and explain each of them in brief.(a) Elaborate on: 'The Inter-Relationship of Architecture and Environment'.(b) Write a short note on: 'Heat Exchange Process of a Human body'.	(10) (05) (05)
01	OR	(05)
Q.2 Q.3	 (b) Write a short note on: 'Human comfort conditions' Explain in brief: Micro climate and Macro climate. Urban Heat Island (UHI) Effect 	(05) (05)
	OR	
Q.4	 Fill in the blanks: a) is the state of the atmosphere in terms of such variables as temperature cloudiness, precipitation, and radiation. b) The climate of a small area, as of confined spaces such as caves or houses, communities is called, which may be different from that in the general region. c) The general climate of a large area, as of a continent or country is called d) The branch of is that which is concerned with the relationships between organisms and their environments. e) The branch of science is the one concerned with the physical, chemical, are biological conditions of the environment and their effect on organisms. 	es, en
	SECTION: B	
Q.1 Q.2 Q.2	 Give classification of Climatic zones in India and one climate and its architecture in detail. (a) Write a short note on: 'Thermal effect on building materials'. (b) Write a short note on: 'Effect of Humidity on buildings'. OR 	(10) (05) (05)
Q.2	(b) Write a short note on: 'Ventilation'	(05)
Q.3	Define/Explain briefly the following:1. Angle of Azimuth and Angle of Altitude2. Latitude and Longitude	(05)
	OR	
Q.4	Definitions:	(05)