	,	CBCS Scheme	(Prz
USN	#		15ARC3.3
Third Semester B.Arch. Degree Examination, Dec.2017/Jan.2018			
Climatology			
			(2)
Time: 3 hrs. Max. Marks: 100			
Note: Answer FIVE full questions, choosing one full question from each module.			
		Module-1	
1	a. b.	Name the different climatic zones in India and briefly explain. Describe macro climate and micro climate.	(05 Marks) (15 Marks)
2	a.	What are the factors effecting thermal comfort, units of measurement	
	b.	to measure? Describe the following with relevant sketches	(10 Marks)
		i) Effective Temperature ii) Connected effective temperature iii) Bio climatic chart iv) Tropical summer Index v) Operative Temperature	(10 Marks)
3	a.	Write short notes on :	
		i) Solar chart	(04 Marks) (03 Marks)
		ii) Solar Azimuth iii) Solar Altitude	(03 Marks)
	b.	Discuss the various types of shading devices with sketches.	(10 Marks)
		OR	
4		Explain detail the process of heat exchange of buildings with the explain	anation of all factors.
			(20 Marks)
			000
N. LE		Module-3	CI verito Handana va la
5	a. b.	(Thermal Conductivity) and R value (Resistivity) related to each other	(10 Marks)

sides.

Given K (brick) = 0.811W/m K K (cement plaster) = 0.721 W/m K.

(10 Marks)

