

Discipline		Architectural Assistantship			
Semester		3rd			
Subject		CLIMATOLOGY			
Lesson Plan Duration : 16 Weeks (from July, 2018 to October 2018)					
** Work Load (Lecture) per week (In Hours) : Lectures - 03					
Week	Theory			Practical	
	Lecture Day	Topic (Including assignment / test)		Practical Day	Topic
1 st	1st	Unit-1 General Introduction of Climatology			
	2nd	Movement of earth around sun.			
	3rd	Different elements of climate like: Wind, temperature, humidity.			
2nd	4th	Different elements of climate like: precipitation and pressure.			
	5th	Different climatic zones			
	6th	Orientation of building with respect to above mentioned elements of climate			
3rd	7th	Orientation of building with respect to above mentioned elements of climate			
	8th	Effect of climate on man and shelter.			
	9th	Assignment Checked			
4th	10th	Unit-2- Relation of Climate and comfort			
	11th	Macro-micro climatic effects,Concept of comfort zone and bio-climatic chart			
	12th	Climatic evaluation by season			
5th	13th	Assignment Checked			
	14th	Unit-3-Sun Control and shading devices			
	15th	Solar Chart (sun path diagram)			
6th	16th	Orientation for sun			
	17th	Orientation for sun			
	18th	Internal and external sun protection devices			
7th	19th	SESSIONAL WEEK			
	20th				
	21st				
8th	22nd	Natural lighting			
	23rd	Introduction and objectives of Solar Passive Design			
	24th	Solar Passive Design			
9th	25th	Passive Solar Heating			
	26th	Passive Solar Cooling			
	27th	Assignment Checked			
10th	28th	Unit-4-Wind control,Orientation with respect to wind			
	29th	Wind protection devices			
	30th	Assignment Checked			
11th	31st	SESSIONAL WEEK			
	32nd				
	33rd				
12th	34th	Unit-5-Use of building materials with respect to climate-Concrete, Brick, Glass			
	35th	Plastics, Stone, Insulating Materials			
	36th	Assignment Checked			
13th	37th	Unit-6-Criteria for site selection			
	38th	Criteria for site selection			
	39th	Assignment Checked			
14th	40th	Unit-7-Environment and Ecology-Basic elements of ecology			
	41st	Concepts of natural cycles in Eco-system,Source of noise and air pollution, their effects and controls			
	42nd	Use of landscape elements for micro and macro climate control,Introduction to climate change, principle causes and effects- methods of mitigating climate change.			
15th	43rd	SESSIONAL WEEK			
	44th				
	45th				
16th	46th	Submission given- Previous Question Papers			
	47th	Revision of whole syllabus			
	48th	Revision of whole syllabus			