LESSON PLAN

NAME OF THE FACULTY : SAURAV KUMAR
DEPARTMENT : ARCHITECTURAL ASSISTANTSHIP
SEMESTER : 3rd
SUBJECT : **CLIMATOLOGY**
LESSON PLAN DURATION : 17 WEEKS
WORK LOAD PER WEEK : 03

Week	Lecture Day	Topics
Week-1	**1,2**	General Introduction of subject, syllabus, practicals, subject's significance and relevant books
Week-2	**3,4**	Unit-1 Introduction to Climatology General introduction about climate and weather, climatology, Movement of Earth around Sun
Week-3	**5,6**	Detailed understanding of different elements of climate like wind, temperature, humidity, pressure and precipitation and different climatic zones
Week-4	**7,8**	Orientation of building with respect to the elements of climate, Effect of climate on men and shelter
Week-5	**9,10**	Unit-2 Relation of climate and comfort Micro and Macro climatic effects, Concept of comfort zone and bio-climatic chart
Week-6	**11,12**	Concept of comfort zone and bio-climatic chart (contd.) and Climatic evaluation by season
Week-7	-	**Conduct of 1st Sessional Test From 14/09/2026-18/09/2026**
Week-8	**13,14**	Unit-3 Sun Control and Shading Devices Solar chart and sun path diagram, Orientation for Sun, Internal and External sun protection devices, Natural lighting
Week-9	**15,16**	Introduction and objective of Solar passive design, Passive solar heating and cooling
Week-10	**17,18**	Revision of Unit-1 to 3
Week-11	-	**Conduct of 2nd Sessional Test From 12/10/2026-16/10/2026**

Week-12	**19,20**	Unit-4 Wind control Orientation with respect to wind and wind protection devices
Week-13	**21,22**	Unit-4 Use of building materials with respect to climate (Concrete, brick, glass, plastic, stone, insulating material)
Week-14	**23,24**	Unit-5 Environment and Ecology Introduction to Ecology and its elements
Week-15	**25,26**	Natural cycles in eco-system, Noise and Air pollution, its source, effects and control
Week-16	**27,28**	Landscape elements for climate control, climate change, its causes, effects and methods of mitigation
Week-17	-	**Conduct of 3rd Sessional Test From 16/11/2026-20/11/2026**
Week-18	**29,30**	Revision of entire syllabus with previous year question papers and Mock Test of Complete Syllabus as per final theory examination scheme