

Lesson Plan
Govt. College Barota (Sonipat)
Department of Geography,
Paper: Physical Geography-II (Theory)
Class and Session: B.A. 3rd SEM, (2023-24)
Name of the Assistant /Associate Professor: Vikas Malik and Salesh Kalkal

Week	Chapter and Topic
Week:1, July	Chapter 1: Weather and Climate: Meaning and Definition of Weather and Climate
	Element of Weather and Climate
	Factors Affecting Climate
	Discussion
	Chapter 2: Composition and Structure of the Atmosphere: Meaning and Definition
	Composition of the Atmosphere
	Structure of the Atmosphere
	Chemical Composition of the Atmosphere
	Importance of the Atmosphere
	Discussion
	Test
Week: 2, August	Chapter 3: Insolation and Temperature: Introduction and Meaning of Solar Radiation and Insolation
	Heat Budget of the Earth
	Latitudinal Heat Balance
	Factors Affecting Insolation
	Heating and Cooling of the Atmosphere
	Factors Controlling Temperature
	Horizontal Distribution of Temperature
Week: 3, August	
	Isothermal Maps and its Properties
	Thermal Anomaly and Range of Temperature
	Temperature Zones or Heat Zones
	Vertical Distribution of Temperature: Inversion of Temperature
	Types of Inversion of Temperature
	Discussion
Week: 4, August	
	Test
	Chapter 4: Atmospheric Pressure and Winds: Introduction and Meaning
	Effect and Importance of Air Pressure
	Vertical Distribution of Atmospheric Pressure
	Horizontal Distribution of Atmospheric Pressure
Week: 5, September	
	Winds
	Periodic and Seasonal Winds

	Shifting of the Winds Belts
	Discussion
	Test
	Chapter 5: Atmospheric Humidity and Precipitation: Water Vapours Meaning and Importance
	Ways to Express Humidity
	Evaporation
	Condensation
	Adiabatic Temperature Change
	Different Forms of Condensation
	Precipitation and its Distribution in the World
Week: 6, September	
	Hydrological Cycle
	Discussion
	Assignment
	Chapter 6: Air Masses, Fronts and Cyclones: Meaning and Definitions
	Favourable Conditions for the Origin
Week: 7, September	
	Classification of Air-masses
	Fronts of Air masses
	Main Properties of Fronts
	Types of Fronts
	Chief Frontal Zones
	Cyclones: Meaning and Definition
Week:8,September	
	Types of Cyclones
	Anticyclones: Meaning and Definition
	Discussion
	Test
	Chapter 7: Climate Classification. Climate Change and Global Warming: Introduction
	Classification of Climates: Koeppen's Scheme of Classification
Week: 9, October	
	Ice Cap Climate
	Highland Climates
	Climate Change and Global Warming : Causes for Climate Change and Global Warming
	Impact of Increased Global Warming
	Discussion
	Assignment
	Test
	Chapter 8: Surface Configuration of the Ocean Floor: Introduction
	Floor and Classification of the Ocean Floor
	Major Oceans
	Discussion

