

## Lesson Plan

**Name** : Mohit Yadav  
**Year** : 1<sup>st</sup>semester  
**Session** : 2024-2025  
**Subject** : ES &DM  
**Code** : 220016  
**Teaching Load** : 2 Lectures per week

Week	Theory	
	Lecture Day	Topic
I	1	<b>Unit1:- Introduction</b> Basics of Ecology,Eco system Concept and sustainable development
	2	Sources ,advantages,disadvantages of renewable and non-renewable energy
II	1	Rain Water Harvesting
	2	Deforestation – its effects and control measures
III	1	<b>Unit2:- Air and Noise Pollution</b> Air Pollution: Source of Air Pollution
	2	Effect of Air Pollution on Human Health, Economy, Air Pollution control Methods
IV	1	Noise Pollution: Sources of Noise Pollution, unit of noise ,Effect of Noise Pollution, Acceptable Noise Level, different Methods of minimizing Noise Pollution
	2	Revision of Above topics
V	1	<b>Unit3:- Water and Soil Pollution</b> Water Pollution: Impurities in water, Cause of water Pollution
	2	Sources of water Pollution. Effect of water pollution on human health
VI	1	First Sessional Test(Tentative)
	2	First Sessional Test(Tentative)
VII	1	Concept of DO ,BOD, COD
	2	Prevention of water Pollution- water treatment processes
VIII	1	Sewage treatment ,Water quality standard
	2	Soil Pollution: Sources of soil Pollution
IX	1	Effect and control of soil pollution
	2	Type of solid waste- House hold, Industrial, Agricultural, Bio-Medical, Disposal of Solid waste.

<b>X</b>	<b>1</b>	Solid waste management E-waste ,E-waste management
	<b>2</b>	<b>Unit4:- Impact of Energy Usage on Environment</b> Global Warming ,Green House Effect , Depletion of Ozone Layer
<b>XI</b>	<b>1</b>	Second Sessional Tests(Tentative)
	<b>2</b>	Second Sessional Tests(Tentative)
<b>XII</b>	<b>1</b>	Acid Rain .Eco Friendly Material, Recycling of Material, Concept of Green Building
	<b>2</b>	Concept of Carbon credit and Carbon Foot Print
<b>XIII</b>	<b>1</b>	<b>Unit5:- Disaster ManagementA</b> Different type of Disaster ,Natural Disasters such as Flood ,Cyclone ,Earth Quake and Landslides etc.
	<b>2</b>	Manmade Disasters such as Fire,Industrial Pollution, Nuclear Disasters, biological Disasters.
<b>XIV</b>	<b>1</b>	Accidents(Air , Sea Rain and Road) , Structural Failures (Building and Bridges) , War and Terrorism
	<b>2</b>	B Disaster Preparedness Disaster Preparedness plan : Prediction ,Early warnings and safety measures of Disaster Psychological Response and Management (Trauma, Stress, Rumour and Panic)
<b>XV</b>	<b>1</b>	Third Sessional Test(Tentative)
	<b>2</b>	Third Sessional Test(Tentative)