

Lesson Plan

Name of the Faculty : Ms Pratima Saini

Discipline : MLT

Semester : 1st year

Subject : Environmental Studies

Lesson Plan Duration : 30 Weeks (from October 2021)

Work Load (Lecture/Practical) per week (n hours): Theory=2, Practical=1

Week	Theory		Practical	
	Lecture Day	Topic (including assignment / test)	Practical Day	Topic
1 st	1 st	Introduction to Environmental Studies its role and various concepts.	1 st	Visit to Green House
	2 nd	Introduction to ecology, its types		
2 nd	3 rd	Eco system its classification	2 nd	Visit to effluent treatment plant of any industry.
	4 th	Concept of Sustainable development, its role and scope. Renewable and non renewable resources		
3 rd	5 th	Assignment & Test	3 rd	Determination of pH of Drinking Water by pH meter
	6 th	Introduction to pollution and sources and types		
4 th	7 th	Air Pollution its sources	4 th	Determination of pH of Drinking Water pH paper
	8 th	Effect of air pollution on Human Health		
5 th	9 th	Effect of air pollution on Economy	5 th	Determination of TDS in Drinking Water
	10 th	Effect of air pollution on Plants & Animals		
6 th	11 th	Introduction to air pollution control methods	6 th	Determination of TSS in Drinking Water
	12 th	Measures air pollution control devices		
7 th	13 th	Mechanical collectors	7 th	Determination of Hardness in Drinking Water
	14 th	Electrostatic precipitators		
8 th	15 th	Scrubbers	8 th	Determination of Oil in Drinking Water
	16 th	Assignment		
9 th	17 th	Test	9 th	Determination of Grease in Drinking Water
	18 th	Water Pollution, its sources & effects		
10 th	19 th	Effect of Water Pollution on Human Health	10 th	Determination of Alkalinity in Drinking Water
	20 th	Concept of dissolved O ₂ in Water		
11 th	21 th	Concept of dissolved BOD in Water	11 th	Determination of Acidity in Drinking Water
	22 th	Concept of dissolved COD in Water		
12 th	23 th	Prevention of Water Pollution	12 th	Determination of Organic solid in Drinking Water
	24 th	Water treatment processes		

13 th	25 th	Sewage treatment	13 th	Determination of Inorganic solid in Drinking Water
	26 th	Water quality standard		
14 th	27 th	Assignment	14 th	Determination of Moisture in Soil in Drinking Water
	28 th	Test		
15 th	29 th	Introduction to Soil Pollution, its sources	15 th	Determination of pH of Soil
	30 th	Introduction to solid waste, sources		
16 th	31 th	Types of solid waste- House Hold	16 th	Determination of N of Soil
	32 th	Types of solid waste- Hospital/Biomedical		
17 th	33 th	Types of solid waste- From Agriculture	17 th	Determination of P of Soil
	34 th	Types of solid waste- From Animal and Human excreta		
18 th	35 th	Types of solid waste- From Sediments and E-waste	18 th	To measure the noise level in classroom
	36 th	Disposal of Solid Waste- Solid Waste Management		
19 th	37 th	Disposal of Solid Waste- Solid Waste Management	19 th	To measure the noise level in industry
	38 th	Assignment		
20 th	39 th	Test	20 th	To segregate the various types of solid waste in a locality
	40 th	Introduction to Noise Pollution its sources		
21 st	41 th	Unit of noise, Acceptable noise level	21 st	To visit the rain water harvesting plant
	42 th	Effect of noise pollution		
22 nd	43 th	Different method of minimize noise pollution	22 nd	To recycle the scrap aluminum foil
	44 th	Assignment		
23 rd	45 th	Test	23 rd	To study the waste management plan of different solid waste
	46 th	Introduction to Environmental legislation, water prevention act. 1974		
24 th	47 th	Air prevention and control of pollution act. 1981	24 th	To study the waste management plan of different solid waste
	48 th	Environmental protection act. 1986		
25 th	49 th	Role and function of State Pollution Control Board	25 th	To study the effect of melting of floating ice in water due to global warming
	50 th	Role and Function of National Green Tribunal (NGT)		
26 th	51 st	Role and Function of Environment Impact Assessment (EIA)	26 th	To study the effect of melting of floating ice in water due to global warming
	52 nd	Assessment		
27 th	53 rd	Test	27 th	Revision
	54 th	Introduction to Global Warming		
28 th	55 th	Introduction to Green House Effect	28 th	Revision
	56 th	Introduction to Depletion of Ozone Layer		
29 th	57 th	Introduction to Eco-friendly Material &	29 th	Assignment

		Recycling of Material		
	58th	Introduction to Acid Rain, concept of Green Buildings		
30 th	59th	Assignment	30 th	Assignment
	60th	Test		