

## LESSION PLAN

**NAME OF THE FACULTY** : - Ms. MANJU

**DISCIPLINE** : - ECE

**SEMESTER** : - 2<sup>nd</sup>

**SUBJECT** : - ENVIRONMENTAL STUDIES

**LESSON PLAN DURATION** : - 15 weeks (from January 2018 to April 2018)

**WORK LOAD (LECTURE/PRACTICAL) PER WEEK (IN HOURS):- LECTURE-03**

WEEK	THEORY	
	LECTURE DAY	TOPIC (including assignment/test)
1st	1 <sup>st</sup>	Basics of ecology, eco system- concept, structure and importance of ecosystem
	2 <sup>nd</sup>	Basics of ecology, eco system- Carbon, Nitrogen, Sulphur cycle
	3 <sup>rd</sup>	Basics of ecology, eco system- Sustainable development
2nd	4 <sup>th</sup>	Conservation of land reforms, preservation of species
	5 <sup>th</sup>	Prevention of advancement of deserts and lowering of water table, rain water harvesting
	6 <sup>th</sup>	Acid Rain, maintenance of ground water
3rd	7 <sup>th</sup>	Water supply engineering, deforestation- its effects and control measure
	8 <sup>th</sup>	Sources of pollution - natural and manmade. Classification of pollutants
	9 <sup>th</sup>	Classification of pollutants, Causes & effects
4th	10 <sup>th</sup>	Control measures of air pollution, Control measures of water pollution
	11 <sup>th</sup>	Control measures of noise pollution, Control measures of soil pollution
	12 <sup>th</sup>	Control measures of radioactive and nuclear pollution
5th	13 <sup>th</sup>	Introduction to Cleaner Production Technologies
	14 <sup>th</sup>	Physical treatment of pollutants
	15 <sup>th</sup>	Chemical treatment of pollutants
6th	16 <sup>th</sup>	Biological treatment of pollutants
	17 <sup>th</sup>	Photocatalytic degradation of pollutants
	18 <sup>th</sup>	Waste Minimization Technique - Chemical Degradation of waste
7th	19 <sup>th</sup>	Waste Minimization Technique - Concept of Zero Discharge Assignment
	20 <sup>th</sup>	TEST
	21 <sup>th</sup>	Solid waste management
8th	22 <sup>nd</sup>	Classification of refuse materials
	23 <sup>rd</sup>	Refuse material sources and its effects

	24 <sup>th</sup>	Refuse material sources and its effects contd.
9th	25 <sup>th</sup>	Control Measure of refuse materials
	26 <sup>th</sup>	Introduction to E-waste Management
	27 <sup>th</sup>	Water (prevention and control of pollution) Act 1974
10th	28 <sup>th</sup>	Air (Prevention and Control of Pollution) Act 1981, Environmental Protection Act 1986
	29 <sup>th</sup>	Role and Function of State Pollution Control Board
	30 <sup>th</sup>	Environmental Impact Assessment (EIA)
11th	31 <sup>st</sup>	Introduction to Energy Conservation Act 2001
	32 <sup>nd</sup>	Energy Conservation (Amendment) Act 2010 importance
	33 <sup>rd</sup>	Energy Conservation: Introduction to Energy Management,
12th	34 <sup>th</sup>	, Energy Conservation
	35 <sup>th</sup>	Test
	36 <sup>th</sup>	Role of Non-conventional Energy Resources (Solar Energy) in environmental protection
13th	37 <sup>th</sup>	Role of Non-conventional Energy Resources (Wind Energy) in environmental protection
	38 <sup>th</sup>	Role of Non-conventional Energy Resources ( Bio Energy, Hydro Energy) in environmental protection
	39 <sup>th</sup>	Impact of Energy Usage on Environment - Global Warning
14th	40 <sup>th</sup>	Green House Effect, Depletion of Ozone Layer
	41 <sup>st</sup>	Depletion of Ozone Layer
	42 <sup>nd</sup>	Eco-friendly Material: Introduction Recycling of Material
15th	43 <sup>rd</sup>	Recycling of Material contd.
	44 <sup>th</sup>	Concept of Green Buildings Assignment
	45 <sup>th</sup>	TEST


