

Lesson Plan

Name of the faculty: Sunil Kumar
Discipline : Mechanical Engineering
Semester : 5th
Subject : Environmental Education
Lesson Plan Duration: 15 weeks (July-18 to Nov-18)
Work Load : (3 Periods/Week)

Theory		
Week	Lecture Day	Topics
1 st	1 st	1. Definition and Scope of Environmental Education
	2 nd	Importance of Environmental Education
	3 rd	2. Basics of ecology, biodiversity
2 nd	4 th	Eco system
	5 th	Sustainable development
	6 th	3. Sources of pollution - natural and manmade
3 rd	7 th	Causes, effects of air pollution
	8 th	Control measures of air pollution
	9 th	Causes, effects of noise pollution
4 th	10 th	Control measures of noise pollution
	11 th	Causes, effects of soil pollution
	12 th	Control measures of soil pollution
5 th	13 th	Causes, effects of radioactive pollution
	14 th	Control measures of radioactive pollution
	15 th	Causes, effects of nuclear pollution
6 th	16 th	Control measures of nuclear pollution
	17 th	Units of measurement of pollution
	18 th	4. Solid waste management- Causes and effects of urban waste
7 th	19 th	SESSIONAL I
	20 th	Control measures of urban waste
	21 th	Causes and effects of industrial waste
8 th	22 nd	Control measures of industrial waste
	23 rd	5. Mining and deforestation – Causes, effects of mining
	24 th	Control measures of mining
9 th	25 th	Causes, effects of deforestation
	26 th	Control measures of deforestation
	27 th	6. Environmental Legislation - Water (prevention and control of pollution) Act 1974

10 th	28 th	Air (Prevention and Control of Pollution) Act 1981
	29 th	Environmental Protection Act 1986
	30 th	Role and Function of State Pollution Control Board
11 th	31 st	Environmental Impact Assessment (EIA)
	32 nd	SESSIONAL II
	33 rd	7. Role of Non-conventional Energy Resources Solar Energy
12 th	34 th	Wind Energy
	35 th	Bio Energy
	36 th	Hydro Energy
13 th	37 th	8. Current Issues in Environmental Pollution – Global Warming, Green House Effect
	38 th	Depletion of Ozone Layer, Recycling of Material
	39 th	Environmental Ethics
14 th	40 th	Rain Water Harvesting
	41 th	Maintenance of Groundwater
	42 nd	Acid Rain
15 th	43 th	Carbon Credits
	44 th	Revision
	45 th	SESSIONAL III