

LESSON PLAN

Name of the Faculty: Ms. Anita Kumari

Discipline: Common for All Branch

Semester: 1st

Subject: Environmental Studies & Disaster Management

Lesson Plan Duration: 15 weeks

Work Load (Lecture/Practical) per week (in hours): Lectures – 02

Week	Lecture Day	Theory
1 st	1 st	<ul style="list-style-type: none">• Unit – I Ecology – Introduction• Basics of Ecology• Ecosystem
	2 nd	<ul style="list-style-type: none">• Sustainable Development
2 nd	3 rd	<ul style="list-style-type: none">• Sources & Advantages of Renewable & Non-renewable sources of energy
	4 th	<ul style="list-style-type: none">• Disadvantages of Renewable & Non-renewable sources of energy
3 rd	5 th	<ul style="list-style-type: none">• Rain water Harvesting• Deforestation – effects & control measures• Assignment Unit-I
	6 th	<ul style="list-style-type: none">• Unit – II Air & Noise Pollution – Introduction• Air Pollution• Sources of Air Pollution
4 th	7 th	<ul style="list-style-type: none">• Effect of Air Pollution on Human Health• Effect of Air Pollution on Human Economy

	8 th	<ul style="list-style-type: none"> • Air Pollution Control Methods • Noise Pollution • Sources of Noise Pollution
5 th	9 th	<ul style="list-style-type: none"> • Units of Noise • Effect of Noise Pollution • Acceptable Noise Level • Different method of minimizing noise pollution
	10 th	<ul style="list-style-type: none"> • Sessional Test-I
6 th	11 th	<ul style="list-style-type: none"> • Unit – III Water & Soil Pollution – Introduction • Water Pollution • Impurities in Water • Cause of Water Pollution • Sources of Water Pollution
	12 th	<ul style="list-style-type: none"> • Effect of Water Pollution on Human Health • Concept of DO • BOD • COD
7 th	13 th	<ul style="list-style-type: none"> • Prevention of Water Pollution – Water treatment Processes • Sewage Treatment • Water Quality Standard
	14 th	<ul style="list-style-type: none"> • Soil Pollution • Sources • Effects • Control

8 th	15 th	<ul style="list-style-type: none"> • Types of Solid Waste • Disposal of Solid Waste • Solid Waste Management • E-waste • E-waste Management • Assignment-II
	16 th	<ul style="list-style-type: none"> • Unit – IV Impact of Energy Usage on Environment – Introduction • Global Warming • Green House Effect • Depletion of Ozone Layer • Acid Rain • Eco-friendly Material • Recycling of Material
9 th	17 th	<ul style="list-style-type: none"> • Concept of Green Buildings • Concept of Carbon Credit • Concept of Carbon footprint
	18 th	<ul style="list-style-type: none"> • Sessional test-II
10 th	19 th	<ul style="list-style-type: none"> • Unit – V Disaster Management – Introduction • Natural Disaster: Flood, Cyclone, Earthquakes & Landslides etc. • Assignment-III
	20 th	<ul style="list-style-type: none"> • Man- made Disaster: Fire, Industrial Pollution, Nuclear Disaster
11 th	21 st	<ul style="list-style-type: none"> • Biological Disasters, Accidents (Air, Sea, Rail & Road)
	22 nd	<ul style="list-style-type: none"> • Structural Failures(Building & Bridge), War & Terrorism etc.

12th	23 rd	• Disaster Preparedness Plan
	24 th	• Prediction, Early Warnings & Safety measures of Disasters
13th	25 th	• Psychological response
	26 th	• Psychological Management (Trauma, Stress, Rumour, Panic)
14th	27 th	• Sessional Test-III
	28 th	• Assignment-IV
15th	29 th	• Solution of Assignment-IV
	30 th	• Revision