

Government Polytechnic Panchkula, Sector

Lesson Plan

Name- Ms. Binny Gaba

Discipline- Applied Science

Semester – 1st Sem

Subject –Environment

Duration – 16 weeks (2022-23)

Work load (per week):- lectures-02

Week	Theory	
	Lect. day	Topic
1 st	1 st	UNIT I Introduction: Basics of ecology,eco system- concept,
	2 nd	sustainable development,
2 nd	1 st	Sources, advantages, disadvantages of renewable and nonrenewable energy.
	2 nd	Rain water harvesting
3 rd	1 st	Deforestation – its effects & control measures
	2 nd	Revision
4 th	1 st	Revision
	2 nd	Revision
5 th	1 st	UNIT II Air and Noise Pollution: Air Pollution: Source of air pollution.Effect of air pollution on human health,
	2 nd	economy, Air pollution control methods.
6 th	1 st	Noise Pollution: Source of noise pollution,
	2 nd	Unit of noise,
7 th	1 st	Effect of noise pollution, Acceptable noise level,

8 th	2 nd	Different method of minimizing noise pollution.
	1 st	Water Pollution: Impurities in water, Cause of water pollution,
9 th	2 nd	Source of water pollution. Effect of water pollution on human health,
	1 st	Concept of DO, BOD, COD. Prevention of water pollution-
10 th	2 nd	Water treatment processes, Sewage treatment. Water quality standard.
	1 st	Soil Pollution :Sources of soil pollution, Effects and Control of soil pollution,
11 th	2 nd	Types of Solid waste- House hold, Industrial, Agricultural, Biomedical,
	1 st	Disposal of solid waste,
12 th	2 nd	Solid waste management E-waste, E – waste management
	1 st	UNIT IV Impact of Energy Usage on Environment
13 th	2 nd	Global Warming, Green House Effect,
	1 st	Depletion of Ozone Layer, Acid Rain. Eco-friendly Material,
14 th	2 nd	Recycling of Material,
	1 st	Concept of Green Buildings,
15 th	2 nd	Concept of Carbon Credit & Carbon footprint.
	1 st	UNIT V Disaster Management A. Different Types of Disaster: Natural Disaster: such as Flood, Cyclone, Earthquakes and Landslides
16 th	2 nd	Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters,
	1 st	Accidents (Air, Sea Rail & Road), Structural failures(Building and Bridge), War & Terrorism etc.
	2 nd	B.Disaster Preparedness: Disaster Preparedness Plan Prediction, Early Warnings and Safety Measures of Disaster Psychological response and Management (Trauma, Stress, Rumour and Panic)

