

LESSON PLAN

DEPARTMENT OF TEXTILE TECHNOLOGY, ITT, CHOUDWAR

SUBJECT: EVS

Periods: 4 per week

SEMESTER: 3rd

NAME OF FACULTY: PTGF

ACADEMIC YEAR: 2022-2023

Semester From date: 16.09.2022 **To date:** 22.12.2022

No. of weeks: 15

Week	Period	Theory / Practical Topics
1 st	1 st	Definition of environmental studies
	2 nd	Scope of <i>environmental studies</i>
	3 rd	Importance of <i>environmental studies</i>
	4 th	Need for public awareness
2 nd	1 st	Forest resources Use and over-exploitation, deforestation, case studies
	2 nd	Timber extraction mining, dams and their effects on forests and tribal people.
	3 rd	Water resources: Use and over-utilization of surface and ground water
	4 th	Water resources; floods, drought, conflicts over water, dam's benefits and problems.
3 rd	1 st	Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
	2 nd	Food Resources: World food problems, changes caused by agriculture and over grazing
	3 rd	Food Resources; effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity.
	4 th	. Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
4 th	1 st	Land Resources: Land as a resource, land degradation, man induces landslides
	2 nd	soil erosion, and desertification
	3 rd	2 Role of individual in conservation of natural resources.
	4 th	Equitable use of resources for sustainable life styles. ,
5 th	1 st	Concept of an eco system
	2 nd	Structure and function of an eco system
	3 rd	Producers, consumers, decomposers.
	4 th	Energy flow in the eco systems..
6 th	1 st	Energy flow in the eco systems..
	2 nd	Energy flow in the eco systems..
	3 rd	Food chains, food webs and ecological pyramids..
	4 th	Introduction, types, characteristic features, structure and function of the following eco system
7 th	1 st	Forest ecosystem
	2 nd	Aquatic eco systems (ponds, streams, lakes, rivers, oceans estuaries)
	3 rd	Introduction-Definition: genetics, species and ecosystem diversity..
	4 th	Biogeographically classification of India
8 th	1 st	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values.
	2 nd	. Biodiversity at global, national and local level
	3 rd	Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.

	4 th	Environmental Pollution; Definition Causes, effects and control measures of:
9 th	1 st	Air pollution
	2 nd	Water pollution
	3 rd	Soil pollution
	4 th	Marine pollution
10 th	1 st	Noise pollution
	2 nd	Thermal pollution
	3 rd	Nuclear hazards
	4 th	Solid waste Management: Causes, effects and control measures of urban and industrial wastes
11 th	1 st	Role of an individual in prevention of pollution
	2 nd	Disaster management: Floods, earth quake, cyclone and landslides.
	3 rd	Social issues and the Environment:
	4 th	Form unsustainable to sustainable development
12 th	1 st	Urban problems related to energy.
	2 nd	Water conservation, rain water harvesting, water shed management..
	3 rd	Resettlement and rehabilitation of people; its problems and concern
	4 th	Environmental ethics: issue and possible solutions.
13 th	1 st	Climate change, global warming, acid rain
	2 nd	ozone layer depletion, nuclear accidents and holocaust, case studies
	3 rd	Air (prevention and control of pollution) Act.
	4 th	Prepare one estimate of materials required for service connection to a factory building with load within 15 KW using insulated wire.
14 th	1 st	Water (prevention and control of pollution) Act. bare conductor and insulated wire combined.
	2 nd	Public awareness.
	3 rd	Human population and the environment
	4 th	Population growth and variation among nations
15 th	1 st	Population explosion- family welfare program
	2 nd	Environment and human health.
	3 rd	Human rights
	4 th	Value education

Teaching Faculty