

LESSON PLAN.				
ACADEMIC SESSION :--2021 (W)				
Subject :-Environmental Engg.TH5				
Teacher :-Jasodhara saho				
Theory :- 4P/week				
SEMESTER:-3rd (SEC-A)				
MONTH	DATE	DAYS	SYLLABUS TO BE COVERED	NO.OF PERIODS AVAILABLE
			1.0- INTRODUCTION(4P)	
	11/9/2021	Tuesday	1.1- Definition, scope and importance	1
	11/11/2021	Thursday	1.2 Need for public awareness 1.3-The multidisciplinary nature of Environmental Studies	2
			2.0 - NATURAL RESOURCES (12P)	
	11/12/2021	Friday	2.1 Natural resources and associated problems.	1
	11/16/2021	Tuesday	o Forest resources: Use and over-exploitation, deforestation, case studies	1
	11/18/2021	Thursday	Timber extraction mining, dams and their effects on forests and tribal people.o Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.	2
	11/23/2021	Tuesday	o Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.	1
	11/25/2021	Thursday	o Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity, .	2
	11/26/2021	Friday	o Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.	1
	11/30/2021	Tuesday	o Land Resources: Land as a resource, land degradation, man induces land slides	1
	12/2/2021	Thursday	soil erosion, and desertification, 2.2 Role of individual in conservation of natural resources.	2

12/3/2021	Friday	2.3 Equitable use of resources for sustainable life styles.	1
		3.0 - SYSTEMS (12P)	
12/7/2021	Tuesday	3.1 Concept of an eco system	1
12/9/2021	Thursday	3.2 Structure and function of an eco system.	2
12/10/2021	Friday	3.3 Producers, consumers, decomposers.	1
12/14/2021	Tuesday	3.4 Energy flow in the eco systems.	1
12/16/2021	Thursday	3.5 Ecological succession.	2
12/17/2021	Friday	3.6 Food chains, food webs and ecological pyramids.	1
12/21/2021	Tuesday	3.7 Introduction, types, characteristic features, structure and function of the following eco system:	1
12/23/2021	Thursday	Forest ecosystem:	2
12/24/2021	Friday	Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).	1
		4.0 - BIODIVERSITY AND ITS CONSERVATION (8P)	
12/28/2021	Tuesday	4.1 Introduction-Definition: genetics, species and ecosystem diversity.	1
12/30/2021	Thursday	4.2 Biogeographically classification of India.	2
12/31/2021	Friday	4.3 Value of biodiversity: consumptive use, productive use.	1
1/4/2022	Tuesday	social ethical, aesthetic and optin values.	1
1/6/2022	Thursday	4.4 Biodiversity at global, national and local level.	2
1/7/2022	Friday	4.5 Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.	1
39 MORE CLASSES REQUIRED			
		5.0 - ENVIRONMENTAL POLLUTION AND MANAGEMENT (18P)	
		5.1 Definition Causes, effects and control measures of:	1
		a) Air pollution.	1
		a) Air pollution.	1
		b) Water pollution.	1
		b) Water pollution.	1
		c) Soil pollution	1

		d) Marine pollution	1
		e) Noise pollution.	1
		f) Thermal pollution	1
		f) Thermal pollution	1
		g) Nuclear hazards.	1
		g) Nuclear hazards.	1
		5.2 Solid waste Management: Causes, effects and control measures of urban and industrial wastes.	1
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		5.3 Role of an individual in prevention of pollution.\	1
		5.4 Disaster management: Floods, earth quake, cyclone and land slides.	1
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		6.0 – SOCIAL ISSUES AND THE ENVIRONMENT (12P)	
		6.1 Form unsustainable to sustainable development.	1
		6.2 Urban problems related to energy.	1
		6.3 Water conservation, rain water harvesting, water shed management.	1
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		6.4 Resettlement and rehabilitation of people; its problems and concern.	1
		6.5 Environmental ethics: issue and possible solutions.	1
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		6.6 Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.	1
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		6.7 Air (prevention and control of pollution) Act.	1
		6.8 Water (prevention and control of pollution) Act.	1
		6.9 Public awareness.	1
		7.0 – HUMAN POPULATION AND THE ENVIRONMENT (9P)	
		7.1 Population growth and variation among nations.	1
		7.2 Population explosion- family welfare program.	1
		7.3 Environment and human health.	1
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		7.4 Human rights.	1
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		7.5 Value education	1

			7.6 Role of information technology in environment and human health.	1
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