

LESSON PLAN.

ACADEMIC SESSION :-2021 (W)

Subject :-Environmental Engg. TH5

TEACHER- SUBHRADEEP DAS

Theory :- 4P/week

SEMESTER:-3rd (SEC-B)

MONTH	DATE	DAYS	SYLLABUS TO BE COVERED	NO.OF PERIODS AVAILABLE
			1.0- INTRODUCTION(4P)	
	11/6/2021	Saturday	1.1- Definition, scope and importance	2
	11/8/2021	Monday	1.2 Need for public awareness	1
		Wednesday	1.3-The multidisciplinary nature of Environmental Studies	
	11/10/2021			1
			2.0- NATURAL RESOURCES(12P)	
	11/13/2021	Saturday	2.1 Natural resources and associated problems. Forest resources: Use and over-exploitation, deforestation, case studies	2
	11/15/2021	Monday	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.	1
	11/17/2021	Wednesday	o Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.	1
	11/20/2021	Saturday	o Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity, .	2
	11/22/2021	Monday	o Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.	1
	11/24/2021	Wednesday	o Land Resources: Land as a resource, land degradation	1
	11/27/2021	Saturday	man induces land slideso soil erosion, and desertification	2
	11/29/2021	Monday	2.2 Role of individual in conservation of natural resources	1
	12/1/2021	Wednesday	2.3 Equitable use of resources for sustainable life styles.	1

		3.0- SYSTEMS(08)	
12/4/2021	Saturday	3.1 Concept of an eco system	2
12/6/2021	Monday	3.2 Structure and function of an eco system.	1
12/8/2021	Wednesday	3.3 Producers, consumers, decomposers.	1
12/11/2021	Saturday	3.4 Energy flow in the eco systems.	2
12/13/2021	Monday	3.5 Ecological succession.	1
12/15/2021	Wednesday	3.6 Food chains, food webs and ecological pyramids.	1
12/18/2021	Saturday	3.7 Introduction, types, characteristic features, structure and function of the following eco system:	2
12/20/2021	Monday	Forest ecosystem:	1
12/22/2021	Wednesday	Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).	1
		4.0 - BIODIVERSITY AND ITS CONSERVATION (8P)	
12/25/2021	Saturday	4.1 Introduction-Definition: genetics, species and ecosystem diversity.	2
12/27/2021	Monday	4.2 Biogeographically classification of India.	1
12/29/2021	Wednesday	4.3 Value of biodiversity: consumptive use, productive use.	1
1/1/2022	Saturday	social ethical, aesthetic and optin values.	2
1/3/2022	Monday	4.4 Biodiversity at global, national and local level.	1
1/5/2022	Wednesday	4.5 Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.	1
		5.0- ENVIRONMENTAL POLLUTION(12P)	
		5.1 Definition Causes, effects and control measures of:	
1/8/2022	Saturday	a) Air pollution.	2
31 MORE CLASSES REQUIRED			
		b) Water pollution.	1
		c) Soil pollution	1
		d) Marine pollution	1
		e) Noise pollution.	1
		f) Thermal pollution	1
		g) Nuclear hazards.	1
		5.2 Solid waste Management: Causes, effects and control measures of urban and industrial wastes.	1
		5.3 Role of an individual in prevention of pollution.\	1

		5.4 Disaster management: Floods, earth quake, cyclone and land slides.	2
		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.	2
		6.4 Resettlement and rehabilitation of people; its problems nd concern.	1
		6.5 Environmental ethics: issue and possible solutions.	1
		6.6 Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.	2
		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.	2
		7.2 Population explosion- family welfare program.	1
		7.3 Environment and human health.	1
		7.4 Human rights.	2
		7.5 Value education	1
		7.6 Role of information technology in environment and human health.	2

