

BALASORE SCHOOL OF ENGINEERING, BALASORE  
 Department of Electronics & Telecommunication Engineering  
 LESSON PLAN FOR 3RD SEMESTER, ETC

SUBJECT- ENVIRONMENTAL STUDIES (TH-05)

NAME OF THE FACULTY- MISS JASMINE NESSA



SL NO	MONTH	DATE	CH. NO	TOPICS TO BE COVERED	
	SEP		1	1. The Multidisciplinary nature of environmental studies:	
		15/09/22		1.1 Definition, scope and importance.	
		16/09/22		1.2 Need for public awareness.	
				2	2. Natural Resources:
		19/09/22	2.1 Natural resources and associated problems. 2.1.1. Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people.		
		20/09/22			
		21/09/22	2.1.2. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.		
		22/09/22			
		23/09/22	2.1.3. Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources		
		26/09/22	2.1.4. Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity		
		27/09/22			
		28/09/22	2.1.5. Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.		
		29/09/22	2.1.6. Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification.		
	30/09/22	2.2 Role of individual in conservation of natural resources			
	10/10/2022	2.3 Equitable use of resources for sustainable life styles.			
			3	3. Systems:	
	11/10/2022	3.1. Concept of an eco system			
	12/10/2022	3.2. Structure and function of an eco system.			
	12/10/2022	3.3. Producers, consumers, decomposers.			
	13/10/22	3.4. Energy flow in the eco systems.			
	13/10/22	3.5. Ecological succession.			

19	OCT	14/10/22	3	3.6. Food chains, food webs and ecological pyramids.	8	5
20		17/10/22		3.7. Introduction, types, characteristic features, structure and function of the following eco		
21		17/10/22		3.8. Forest ecosystem		
22		18/10/22		3.9. Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).		
23			4	4. Biodiversity and it's Conservation:	8	5
24		19/10/22		4.1. Introduction-Definition: genetics, species and ecosystem diversity.		
25		20/10/22		4.2. Biogeographically classification of India.		
26		21/10/22		4.3. Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values.		
27		22/10/22		4.4. Biodiversity at global, national and local		
28		25/10/22		4.5. Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts		
29		5	5. Environmental Pollution:	12	10	
30	26/10/22		5.1. Definition Causes, effects and control measures of: 5.1.1 Air pollution.			
31	27/10/22		5.1.2 Water pollution.			
32	28/10/22		5.1.3 Soil pollution			
33	31/10/22		5.1.4 Marine pollution			
34	1/11/2022		5.1.5 Noise pollution.			
35	2/11/2022		5.1.6 Thermal pollution			
36	3/11/2022		5.1.7 Nuclear hazards.			
37	4/11/22 8/11/22		5.2. Solid waste Management: Causes, effects and control measures of urban and industrial			
38	9/11/2022		5.3. Role of an individual in prevention of			
39	10/11/22 11/11/22	5.4. Disaster management: Floods, earth quake, cyclone and landslides.				
40		6	6. Social issues and the Environment:	10	9	
41	21/11/22		6.1. Form unsustainable to sustainable development.			
42	22/11/22		6.2. Urban problems related to energy.			
43	23/11/22 24/11/22		6.3. Water conservation, rain water harvesting, water shed management.			
44	25/11/22		6.4. Resettlement and rehabilitation of people; its problems and concern			
45	28/11/22		6.5. Environmental ethics: issue and possible solutions			
46	29/11/22 30/11/22		6.6. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies			
47	1/12/2022		6.7. Air (prevention and control of pollution) Act.			
48	2/12/2022	6.8. Water (prevention and control of pollution) Act.				



49	DEC	5/12/2022		6.9. Public awareness.		
50				7. Human population and the environment:		
51		6/12/2022	7	7.1. Population growth and variation among nations.		
52		7/12/2022		7.2. Population explosion- family welfare		
53		8/12/2022		7.3. Environment and humanhealth.		
54		9/12/22 12/12/22		7.4. Human rights. 7.5. Value education		
55		14/12/22 15/12/22		7.6. Role of information technology in environment and human health.		
56		16/12/22			REVISION	
				8	6	

SL NO	MONTH	CHAPTERS TO BE COMPLETED	% COMPLETED
1	SEP	CH 1 CH 2	25
2	OCT	CH -2.3,CH-3,CH-4	30
3	NOV	CH -5,CH-6.6	30
4	DEC	CH-6.7, CH-7	15

*Inessa*  
13/12/22  
Signature  
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