

**LESSON PLAN.**

3RD SEMESTER W.E.F-01/08/2023 Total Period :- 60

SUBJECT-ENVIRONMENTAL STUDIES (Sub code-TH-5) Theory periods: 4 P/WEAKLY

Teacher :- ABHOY MOHANTA (PTGF, MECHANICAL ENGINEERING DEPT.)

SL NO	MONTH	Week	Date	UNIT NO/PERIOD ALLOTTED	Topic to be covered as per Syllabus	Topic actually covered as per Syllabus	Short fall if any/syllabus	remarks
1	AUG	1ST	02-08-2023	4	Unit 1: The Multidisciplinary nature of environmental studies			
2			03-08-2023		Definition, scope and importance, Need for public awareness			
3			04-08-2023		Definition, scope and importance, Need for public awareness			
4			07-08-2023		Definition, scope and importance, Need for public awareness			
5		2ND	09-08-2023	10	Unit 2: Natural Resources Renewable and non renewable resources: a) Natural resources and associated problems.			
6			10-08-2023		□ Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people.			
7			11-08-2023		Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems			
8		3RD	14-08-2023	10	Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.			
9			16-08-2023		Food Resources: World food problems ,changes caused by agriculture and overgrazing, effectsofmodernagriculture, fertilizerspesticidespro blems, water logging, salinity,.			
10			17-08-2023		Energy Resources: Growing energy need, renewable and nonrenewable energy sources, use of alternate energy sources, case studies.			
11			18-08-2023		Land Resources: Land as a resource ,land degradation ,man induces landslides, soil erosion, and desertification.			
12			21-08-2023		Role of individual in conservation of natural resources.			
13			23-08-2023		Role of individual in conservation of natural resources.			
14			24-08-2023		Equitable use of resources for sustainable lifestyles.			
15		5TH	25-08-2023	8	Unit 3: Systems Concept of an ecosystem.			
16			28-08-2023		Structure and function of an ecosystem.			
17			31-08-2023		Producers, consumers, decomposers			
18		1ST	01-09-2023	8	Energy flow in the ecosystems. Ecological succession.			
19			04-09-2023		Food chains, food web sand ecological pyramids.			
20		2ND	07-09-2023	8	Introduction, types, characteristic features, structure and function of the following ecosystem:			
21			08-09-2023		Forest ecosystem:			
22			11-09-2023		Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).			
23		3RD	13-09-2023	8	Unit 4: Biodiversity and it's Conservation			
24			14-09-2023		Introduction-Definition: genetics, species and ecosystem diversity			
25			15-09-2023		Biogeographically classification of India.			
26			18-09-2023		Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and opt in values.			

27	4TH	21-09-2023	8	Biodiversity at global, national and local level.				
28		22-09-2023		Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.				
29		25-09-2023		Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.				
30		5TH	27-09-2023		Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.			
31			28-09-2023		Unit 5: Environmental Pollution. Definition Causes, effects and control measures of:			
32	1ST	04-10-2023		Air pollution.				
33		05-10-2023		Air pollution.				
34		06-10-2023		Water pollution.				
35	2ND	09-10-2023		Water pollution.				
36		11-10-2023	12	Soil pollution				
37		12-10-2023		Marine pollution				
38		13-10-2023		Noise pollution.				
39		16-10-2023		Thermal pollution				
40	3RD	18-10-2023		Nuclear hazards.				
41		19-10-2023		Solid waste Management: Causes, effects and control measures of urban and industrial wastes.				
42		20-10-2023		Role of an individual in prevention of pollution Disaster management: Floods, earth quake, cyclone and landslides.				
43	4TH	25-10-2023		Unit 6: Social issues and the Environment				
44		26-10-2023		From unsustainable to sustainable development. Urban problems related to energy.				
45		27-10-2023		Water conservation, rain water harvesting, water shed management.				
46	5TH	30-10-2023		Resettlement and rehabilitation of people; its problems and concern.				
47	1ST	01-11-2023	10	Environmental ethics: issue and possible solutions.				
48		02-11-2023		Climate change, global warming, acid rain, ozone layer				
49		03-11-2023		depletion, nuclear accidents and holocaust, case studies Air (prevention and control of pollution) Act.				
50		06-11-2023		Water (prevention and control of pollution) Act.				
51		08-11-2023		Public awareness.				
52	2ND	09-11-2023		Public awareness.				
53	3RD	10-11-2023		Unit 7: Human population and the environment Population growth and variation among nations.				
54		13-11-2023		Population explosion-family welfare program.				
55		15-11-2023		Population explosion-family welfare program.				
56		16-11-2023		Environment and human health.				
57	4TH	17-11-2023	8	Human rights.				
58		20-11-2023		Value education				
59		22-11-2023		Role of information technology in environment and human health				
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Abhoy Mohanta