

Lesson Plan

Branch: EE, ME

Subject: Environmental Studies

Semester: 3rd

Sl. No.	Topic to be Taught	No. of Periods Required	Module No.
1.	The Multidisciplinary nature of environmental studies	(04)	1
1.1	Definition, scope & importance	2	4
1.2	Need for public awareness	2	
2.	Natural Resources	(10)	
2.1.1	Forest Resources	2	
2.1.2	Water Resources	2	
2.1.3	Mineral Resources	1	
2.1.4	Food Resources	1	2
2.1.5	Energy Resources	1	
2.1.6	Land Resources	1	
2.2	Role of individual in conservation	1	
2.3	Equitable use of resources for sustainable life styles	1	
3.	Systems	(08)	
	↳ concept of ecosystem, structure & function	2	3
	↳ producers, consumers, decomposers	1	
	↳ Energy flow in the ecosystem	1	
	↳ Ecological succession	1	
	↳ food chains, food webs & ecological pyramids	1	
	↳ forest, Aquatic ecosystem	2	
4.	Biodiversity & its conservation	(08)	4

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	→ Introduction - Def : genetic, species diversity	1	4
	→ Biogeographically: classification of India	1	
	→ Value of biodiversity	2	
	→ Biodiversity at global, national & local level	2	
	→ Threats to biodiversity	2	
5.	Environmental Pollution	(12)	
	→ Air pollution	1	5
	→ Water pollution	1	
	→ Soil pollution	1	
	→ Marine pollution	1	
	→ Noise pollution	1	
	→ Thermal pollution	1	
	→ Nuclear hazards	1	
	→ Solid waste management	2	
	→ Role of an individual in prevention of pollution	1	
	→ Disaster management	2	
6.	Social issues & the Environment	(10)	
	→ From unsustainable to sustainable development	1	6
	→ Urban problems related to energy	1	
	→ Water conservation	2	
	→ Resettlement & rehabilitation of people	1	
	→ Env. ethics : issue & possible solution (problem & concern)	1	
	→ Climate change	1	
	→ Air (prevention & control of pollution) Act	1	
	→ Water "	1	
	→ Public Awareness	1	
7.	Human population & the environment	(08)	
	↳ Population growth & variation	2	7
	↳ Population explosion	2	
	↳ Environment & human health	2	
	↳ Human rights	1	
	↳ Value education	1	
Total periods		60	

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