

ACADEMIC LESSON PLAN 2022 (WINTER)

Discipline: Information Technology	Semester : 5th 3rd	Name of the Teaching faculty: Archana Tripathy	
Subject : Environmental	No. of Days/per week class allotted	Semester from date : 15/09/2022 to 22/12/2022	
Month & Week	Class Day	No. of weeks : 15	
		Theory / Practical Topics to be covered:	Remark
1 st Week 15th Sept - 17th Sept	1 st	The interdisciplinary nature of environmental studies. Definition	
	2 nd	scope and importance, Need for public awareness	
2 nd Week 19th Sept - 24th Sept	1 st	Natural Resources, Renewable and non renewable resources: Natural resources and associated problems.	
	2 nd	Forest resources: Use and over-exploitation,	
	3 rd	deforestation, case studies,	
	4 th	Timber extraction mining, dams and their effects on forests and tribal people	
3 rd Week 26th Sept - 1st Oct	1 st	Water resources: Use and over-utilization of surface and ground water, floods,	
	2 nd	drought, conflicts over water, dam's benefits and problems	
	3 rd	Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources	
	4 th	Food Resources: World food problems, changes caused by agriculture and over grazing,	
4 th Week 03rd Oct - 8th Oct	1 st	Puja Vacation	
	2 nd		
	3 rd		
	4 th		
5 th Week 10th Oct - 15th Oct	1 st	effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity	
	2 nd	Land Resources: Land as a resource, land degradation,	
	3 rd	man induces landslides, soil erosion, and desertification	
	4 th	Role of individual in conservation of natural resources, Equitable use of resources for sustainable life	
6 th Week 17th Oct - 22nd Oct	1 st	Revision CH-1&2	
	2 nd	Systems, Concept of an eco system, Structure and function of an eco system.,	
	3 rd	Producers, consumers, decomposers.	
	4 th	Energy flow in the eco systems., Ecological succession,	
7 th Week 22th Oct - 29th Oct	1 st	Food chains, food webs and ecological pyramids.	
	2 nd	deforestation, case studies,	
	3 rd	features, structure and function of the following eco system	
8 th Week 31st Oct - 5th Nov	1 st	Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries). Revision CH-3	
	2 nd	Biodiversity and it's Conservation ,Introduction-Definition: genetics,	
	3 rd	species and ecosystem diversity.	
	4 th	Biogeographically classification of India,	
9 th Week 7th Nov - 12th Nov	1 st	Value of biodiversit, Consumptive use, productive use,	
	2 nd	social ethical, aesthetic and option values.	
	3 rd	Biodiversity at global, national and local level.	
	4 th	Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.	
10 th Week 14th Nov - 19th Nov	1 st	Revision CH-4 Air pollution.	
	2 nd	Water pollution Soil pollution	
	3 rd	Marine pollution, Noise pollution	
	4 th	Thermal pollution, Nuclear hazards	
11 th Week 21st Nov - 26th Nov	1 st	Solid waste Management: Causes, effects and control measures of urban and industrial wastes.	
	2 nd	Continuation of control measures of urban and industrial wastes	
	3 rd	Role of an individual in prevention of pollution, Disaster management:	
	4 th	Floods, earth quake, cyclone and landslides	