

Academic Lesson Plan of Winter 2024

Department: CSE	Semester:3rd	Name of the Teaching Faculty: NALINIKANTA MOHAPATRA
Subject: Environmental Studies	No. of days/per week class allotted 4p/week	Semester from:01/07/2024
		No. of weeks:15
		Topics to be covered:
WEEK	DAYS	TOPIC
1st week	1st	Multi discilinary nature of environment studies
	2nd	Defination of Environment
	3rd	Scope and importance of environment
	4th	Need for public awareness
2nd week	1st	Natural resources and types of natural resources and associated problems
	2nd	Forest resources,use and over explotation deforestation
	3rd	case studies,Timber extraction, mining,dams and their effects on forests and tribal people
	4th	Water resources, use and over utilization of surface & ground water , floods, drought,conflicts over water ,dams benefits & problems
3rd week	1st	Mineral resources: use &explotation ,environmental effects of extracting & using mineral resources
	2nd	Food resources, world food problems,changes caused by agriculture and over grazing
	3rd	Effect of morden agriculture,fertilizers pesticides problems, water lagging
	4th	Salinity energy resources: Growing energy need, renewable & non-renewable energy sources
4th week	1st	Use of alternative energy sources, case studies, land resources and land degradation
	2nd	Man induces landslides, soil erosion and desertification .Role of individual in conservation of natural resources
	3rd	Equitable use of resources for sustainable life style
	4th	concept of an ecosystem, structure and function of an ecosystem
5th week	1st	Producers, Consumer, Decomposer energy flow in the Eco-system
	2nd	Ecologycal succession, food chain, foodwave and ecologycal pyramids
	3rd	Eco-system type, characterstics ,feature,structure
	4th	Forest ecosystem, aquatic eco-system (ponds,stream,lakes,river,oceans)
6th week	1st	Introduction of biodiversity and defination
	2nd	Genetics, species, & ecosystem
	3rd	Biogeographically classification of india-values of bio-diversity consumptive use.
	4th	Productive use / social ethical aesthetic and option values
7th week	1st	Biodiversity of global , national and local lable
	2nd	Habitat loss, pouching of wild life,man ,wild life conflicts
	3rd	environment pollution , definition effects andcontrol of air pollution
	4th	water pollution
	1st	soil pollution

8th week	2nd	marine pollution
	3rd	noise pollution
	4th	thermal pollution
9th WEEK	1st	nuclear hazards
	2nd	solid waste management & causes
	3rd	effects & control measures of urban and industrial waste
	4th	role of an individual in prevention of pollution
10th week	1st	disaster management , floods, earthquake
	2nd	cyclone & land slides
	3rd	form unsustainable to sustainable
	4th	urban problem related to energy
11th week	1st	water conservation, rain water harvesting
	2nd	water shed management
	3rd	resettlement & rehavitation of people, its problem and concerns
	4th	environmental ethics, issues and possible solution
12th week	1st	climate change, global warming, acid rain, ozone layer depletion
	2nd	nuclear accidents and holo caust causes studies
	3rd	air (prevention and control of polution)
	4th	water(prevention and control of polution)
13th week	1st	Public awareness
	2nd	population growth & variation among nations
	3rd	population growth & variation among nations
	4th	population explosion and family welfare
14th week	1st	Environment and human health
	2nd	Environment and human health
	3rd	Human rights
	4th	Value education
15th week	1st	Role of information technology
	2nd	Role of information technology
	3rd	Doubt clear
	4th	Previous year question discussion

Signature
30.6.24

Signature of Faculty

Signature
HOD 30/6/24

Sr. Lecture, CSE