

PNS SCHOOL OF ENGINEERING & TECHNOLOGY

LESSION PLAN

BRANCH-CIVIL	SEMESTER-3RD	NAME OF THE FACULTY-SUDEEPTA MISHRA
SUBJECT-ENVIRONMENTAL STUDIES	NO OF DAYS PER WEEK -6 CLASS ALLOTTED-60	SEMESTER FROM-01/08/2023 TO 30/11/2023
WEEK	CLASS DAY	THEORY TOPIC
AUGUST-1ST	1ST	The Multidisciplinary nature of environmental studies Definition, scope and importance, Need for public awareness
	2ND	ITS CONTINUING
	3RD	Natural Resources Renewable and non renewable resources:
	4TH	Forest resources: Use and over-exploitation , deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people.
2ND	1ST	Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.
	2ND	Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
	3RD	Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity, .
	4TH	Energy Resources: Growing energy need, renewable and non-renewable energy sources , use of alternate energy sources, case studies.
	5TH	Land Resources: Land as a resource, land degradation , man induces landslides, soil erosion, and desertification.
3RD	1ST	Systems- Concept of an eco system.
	3RD	Structure and function of an eco system.
	4TH	Producers, consumers, decomposers
	5TH	Energy flow in the eco systems.
4TH	1ST	Ecological succession
	2ND	Food chains, food webs and ecological pyramids.
	3RD	Introduction, types, characteristic features , structure and function of the following eco system
	4TH	Forest ecosystem:
	5TH	Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).
5TH	1ST	Biodiversity and it's Conservation- Introduction-Definition: genetics, species and ecosystem diversity.
	2ND	ITS CONTINUING
	4TH	Biogeographically classification of India.
SEPTEMBER-1ST	5TH	ITS CONTINUING
2ND	1ST	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values.

2ND	4TH	ITS CONTINUING
	5TH	Biodiversity at global, national and local level.
3RD	1ST	Threats to biodiversity: Habitats loss , poaching of wild life, man wildlife conflicts.
	2ND	ITS CONTINUING &END
	3RD	Environmental Pollution.- Air pollution.Definition Causes, effects and control measures
	4TH	Water pollution..Definition Causes, effects and control measures
	5TH	Soil pollution,.Definition Causes, effects and control measures
4TH	1ST	Marine pollution,Definition Causes, effects and control measures
5TH	1ST	Noise pollution.,Definition Causes, effects and control measures
	2ND	Thermal pollution,Definition Causes, effects and control measures
	3RD	Nuclear hazards.
	4TH	Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Disaster management: Floods, earth quake, cyclone and landslides.
OCTOBER-1ST	2ND	ITSCONTINUING
	3RD	ITS CONTINUING AND END
2ND	1ST	Social issues and the Environment- Form unsustainable to sustainable development.
	2ND	Urban problems related to energy
	3RD	Water conservation, rain water harvesting, water shed management
	4TH	Resettlement and rehabilitation of people; its problems and concern.
	5TH	Environmental ethics: issue and possible solutions
3RD	1ST	Climate change, global warming, acid rain, ozone layer depletion,
	2ND	nuclear accidents and holocaust, case studies.
	3RD	Air (prevention and control of pollution) Act.
5TH	1ST	Water (prevention and control of pollution) Act.
	2ND	Public awareness.
NOVBEMBER-1ST	3RD	Human population and the environment- Population growth and variation among nations.
	4TH	ITS CONTINUING
	5TH	Population explosion- family welfare program
2ND	1ST	Environment and human health.
	2ND	ITSCONTINUING
	3RD	Human rights.
	4TH	Value education
	5TH	Role of information technology in environment and human health.
3RD	2ND	NOTE GIVEN
	3RD	IMPORTANT QUESTIONS WITH ANSWER DISSCUSSING
	4TH	IMPORTANT QUESTIONS WITH ANSWER DISSCUSSING
	5TH	RIVISIONS
4TH	2ND	RIVISIONS
	3RD	RIVISION
	4TH	RIVISION

sign of lecture

sign of hod

Sudeepa Mishra

Sudeepa Mishra

