

LESSON PLAN FOR WINTER SESSION (2024-25)

PROGRAMME : CIVIL ENGINEERING

NAME OF THE FACULTY: ASHIRBAD ANAND

COURSE NAME : ENVIRONMENTAL STUDIES

SESSION : 2024-25

COURSE CODE : TH.5

DATE : 16/08/24 To 08/11/24

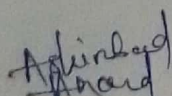
SEMESTER : 3rd

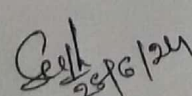
PERIODS/WEEK: 4

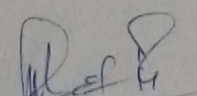
TOTAL PERIODS:60

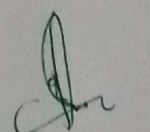
WEEK	PERIODS	UNIT	TOPICS
July 1st Week	1	1	1. The Multidisciplinary nature of environmental studies Definition, scope and importance.
	2		The Multidisciplinary nature of environmental studies Need for public awareness.
	3		The Multidisciplinary nature of environmental studies Need for public awareness.
	4		2. Natural Resources, Renewable and non renewable resources, Natural resources and associated problems
July 2nd Week	5	2	2. Natural Resources, Renewable and non renewable resources, Natural resources and associated problems
	6		Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and
	7		Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people.
	8		3
July 3rd Week	9	2	Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.
	10		Mineral Resources: Use and exploitation, environmental effects of
	11		Food Resources: World food problems, changes caused by agriculture
	12		Food Resources: World food problems, changes caused by agriculture
July 4th Week	13	3	Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides
	14		Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of
	15		Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
	16		Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification.
Aug 1st Week	17		Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification.
	18		Role of individual in conservation of natural resources.
	19		Equitable use of resources for sustainable life styles.
	20		3. Systems
Aug 2nd Week	21	4	<input type="checkbox"/> Concept of an eco system.
	22		<input type="checkbox"/> Structure and function of an eco system.
	23		<input type="checkbox"/> Producers, consumers, decomposers.
	24		<input type="checkbox"/> Energy flow in the eco systems.
Aug 3rd Week	25	5	<input type="checkbox"/> Ecological succession.
	26		<input type="checkbox"/> Food chains, food webs and ecological pyramids.
	27		<input type="checkbox"/> Food chains, food webs and ecological pyramids.
	28		<input type="checkbox"/> Introduction, types, characteristic features, structure and function of the following eco system:
	29		Forest ecosystem
			<input type="checkbox"/> Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).
			4. Biodiversity and its Conservation

WEEK	PERIODS	UNIT	TOPICS
Aug 4th Week	30		<input type="checkbox"/> Biogeographically classification of India.
	31		<input type="checkbox"/> Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optinvalues.
	32		<input type="checkbox"/> Value of biodiversity: consumptive use, productive use, social
Sept. 1st Week	33		<input type="checkbox"/> Biodiversity at global, national and local level.
	34		<input type="checkbox"/> Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.
	35	6	<input type="checkbox"/> Threats to biodiversity: Habitats loss, poaching of wild life, man
	36		<input type="checkbox"/> Threats to biodiversity: Habitats loss, poaching of wild life, man
Sept. 2nd Week	37		5. Environmental Pollution. Definition Causes, effects and control measures of:
	38		b) Water pollution.
	39	6	c) Soil pollution
	40		d) Marine pollution
Sept. 3rd Week	41		f) Thermal pollution
	42		g) Nuclear hazards.
	43	7	6. Social issues and the Environment
	44		6. Social issues and the Environment <input type="checkbox"/> Form unsustainable to sustainable development.
Sept. 4th Week	45		<input type="checkbox"/> Urban problems related to energy.
	46		<input type="checkbox"/> Water conservation, rain water harvesting, water shed management.
	47		<input type="checkbox"/> Resettlement and rehabilitation of people; its problems and concern.
	48		<input type="checkbox"/> Environmental ethics: issue and possible solutions.
Oct. 1st Week	49		<input type="checkbox"/> Climatechange, globalwarming,acidrain,ozonelayerdepletion,
	50		<input type="checkbox"/> Climatechange, globalwarming,acidrain,ozonelayerdepletion,
	51		<input type="checkbox"/> Air (prevention and control of pollution) Act.
	52		<input type="checkbox"/> Water (prevention and control of pollution) Act.
Oct. 2nd Week	53		<h1>PUJA VACATION</h1>
	54		
	55		
	56		
Oct. 3rd Week	57		<input type="checkbox"/> Public awareness.
	58		Human population and the environment
	59		<input type="checkbox"/> Population explosion- family welfare program.
	60		<input type="checkbox"/> Environment and humanhealth.
Oct. 4th Week	61		<input type="checkbox"/> Human rights.
	62		<input type="checkbox"/> Value education
	63		<input type="checkbox"/> Role of information technology in environment and human health.
	64		Doubt Clearing Class
Nov. 1st Week	65		Doubt Clearing Class
	66		Doubt Clearing Class
	67		Previous year question Paper discussion.
	68		Previous year question Paper discussion.


Signature
Concern faculty


Civil engineering
HOD


GP Nabarangpur
Academic Coördinator


GP Nabarangpur
Principal