

# PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH



## LESSON PLAN Session-2023-2024

Discipline: ELCT, CSE, METT, MECH, CIVIL. Engg.

Semester: 3<sup>rd</sup>


Subject: ENVIRONMENTAL STUDIES

Name of the Teaching Faculty: Dr. BISWAJIT ACHARYA.

Subject: E.S No. of Days/per week class allotted 4

Semester From Date: 1-8-23 To Date: 22-8-23 No. of Weeks: 3

Week	Class Day	Theory /Practical Topics
1	1	Defination of Environment
	2	Scope of Env. Studies
	3	Importance of Env. Study & Multidisciplinary aspect
	4	Need of Public awarness for Env. Protection
2	5	Renewable & non Renewable Energy resources
	6	Associated issues of Natural Resources
	7	Forest: Resource, its use & Conservation
	8	Water Resources, Multipurpose dam Projects its use & conservation
3	9	Mineral Resources, Availability, use & Conservation.
	10	Energy Resources: Renewable & non Renewable Resources
	11	Food Resources; Availability, Scarcity, and changing Pattern
	12	Land, Resources; Types & Conservation

  
Signature of the Faculty

Subject: E.S No. of Days/per week class allotted 4

Semester From Date: 23-8-23 To Date: 12-9-23 No. of Weeks: 3

Week	Class Day	Theory / Practical Topics
4	13	Equitable use of natural resources for sustained life.
	14	Conservation of natural resources
	15	Structure & function of
	16	Producers, Consumers &
5	17	Energy flow rate in the
	18	Food chain, food web & ecological pyramid
	19	Ecological Succession
	20	Types & characteristic features of
6	21	Forest ecosystem description with Ex.
	22	Aquatic ecosystem description with Ex.
	23	Definition of Biodiversity
	24	Genetics, Species & diversity in Eco



Signature of the Faculty





Subject: E.S No. of Days/per week class allotted 4

Semester From Date: 13-9-23 To Date: 5-10-23 No. of Weeks: 3

Week	Class Day	Theory / Practical Topics
7	25	Biogeographical Classifying India
	26	Consumptive, Productive & Social Values
	27	Ethical, Aesthetic & Optime values
	28	Biodiversity of global, national & Local levels
8	29	Threats to Biodiversity & poaching of Wild life
	30	Loss of habitat & Man-wild life conflicts.
	31	Defination of Environmental Pollution
	32	Air pollution and its control
9	33	Water pollution and its control
	34	Soil pollution & its control
	35	Marine pollution & its control
	36	Noise pollution & its control



Signature of the Faculty



Scanned with OKEN Scanner

Subject: E.S. : No. of Days/per week class allotted 4  
Semester From Date: 6-10-23 To Date: 6-11-23 No. of Weeks: 3

Week	Class Day	Theory /Practical Topics
10	37	Thermal pollution & its control
	38	Nuclear pollution/
	39	Solid waste mgmt, its cause, effect & Control
	40	Management of Urban & industrial waste
11	41	Role of individual in pollution control
	42	Disaster management
	43	Sustainable development
	44	Urban problems related to energy & control
12	45	Water conservation: Rain water harvesting
	46	Env. pollution control act, air pollution act, water pollution act
	47	population growth, explosion & control
	48	Resettlement & Rehabilitation



Signature of the Faculty



Subject: ES No. of Days/per week class allotted 4Semester From Date: 7-11-23 To Date: 30-11-23 No. of Weeks: 3

Week	Class Day	Theory /Practical Topics
13	49	Segments of Environment & Biosphere
	50	Lithosphere and Hydrosphere
	51	Atmosphere and its distribution
	52	Troposphere, mesosphere & Thermosphere
14	53	Solid Waste, incineration and pyrolysis
	54	Solid Waste leaching and dumping technology
	55	Energy Audit, Green accounting
	56	Seminar/Project on organic farming
15	57	Seminar/project on water harvesting
	58	Discussion and doubt session
	59	Revision/Class test
	60	Revision/Class test

  
Signature of the Faculty