PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH

LESSON PLAN

Session-2021-2022

Discipline: ELECT, MECH, CIVIL, CSE, METT Engg. Semester: 3rd

Name of the Teaching Faculty: BISWAJIT ACHARYA.

Subject: E.S No. of Days/per week class allotted 04

Semester From Date : 01/10/21 To Date : 31/10/21 No. of Weeks : 03

Week	Class Day	Theory /Practical Topics
1	1	Defination of Environment.
	2	Scope of Env. Studies
	3	Importance of Env. study & Multidisciplenry 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 04

Semester From Date : 01/11/21 To Date : 26/11/21 No. of Weeks : 03

Week	Class Day	Theory /Practical Topics
4	13	Equitable use of nat. resurce for Sustained life
	14	Conservation of natural Resources
	15	Structure & function of Ecosystem.
	16	Producers, consumers & decomposers
5	17	Energy flow Rule in the Ecosystem.
	18	food chain, food web & Ecological pyramid
	19	Ecological Succession.
	20	Types & characteristic feature of ecosystem.
6	21	forest ecosystem description with Ex.
	22	Aquatic ecosystem descripthn with Ex.
	23	Defination of Biodiversity.
	24	Genetics, species & diversity in Ecosystem.

Signature of the Faculty

Subject: E.S No. of Days/per week class allotted 04

Semester From Date: 29/11/21 To Date: 19/12/21 No. of Weeks: 03

Week	Class Day	Theory /Practical Topics
7	25	Biogeographical classification of India
	26	Consumptive, productive & Social values
	27	Ethical, Aesthetic & optive values
	28	Biodiversity at global, national & local levels
8	29	Threats to Biodiversity & poaching of wild life
	30	Loss of habitat & man-wildlife 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

Subject: E.S No. of Days/per week class allotted 04

Semester From Date : 20/12/21 To Date : 08/01/22 No. of Weeks : 03

Week	Class Day	Theory /Practical Topics
10	37	Thermal pollution & its control.
	38	Nuclear pollution/Hazards & its control
	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 Acts Air pollution act, water pollution act.
	47	population growth, explosion & control.
	48	Resettlement & Rehabilitation.

Signature of the Faculty

Subject: E.S No. of Days/per week class allotted 04

Semester From Date : 10/01/22 To Date : 31/01/22 No. of Weeks : 03

Week	Class Day	Theory /Practical Topics
13	49	Segments of Environment & Biosphere
	50	Lithosphere & Hydrosphere.
	51	Atmosphere & its distribution.
	52	Troposphere, Mesosphere, Thermosphere
14	53	Solid waste: Incineration & pyrolysis
	54	Solid waste: Leaching & dumping tech.
	55	Energy Audit, Green accounting.
	56	Seminar/project on organic farming
15	57	Seminar/project on water harvesting
	58	Discussion & doubt Session.
	59	Revision / Class test.
	60.	Revision / Class test.

Signature of the Faculty