

DISCIPLINE – METALLURGICAL ENGINEERING		SEMESTER – 3rd semester		NAME OF THE TEACHING FACULTY- BICHITRA KUMAR SAHOO
SUBJECT – ENVIRONMENTAL STUDIES		NO OF DAYS/ WEEK CLASS ALLOTTED-04		SEMESTER FROM DATE: - 07-08-23 TO 30-11-23
AUGUST	1st	01P	07-08-23	1.1 Explain definition , scope and importance of environmental studies
	2nd	04P	09-08-23	1.2 Explain need for public awareness
			10-08-23	2.1 Explain renewable and nonrenewable resources
			11-08-23	2.1 Explain forest resources: use and over exploitation , deforestation, case studies, timber extraction , mining, Dams and their effects on forests and tribal people
			14-08-23	2.2 Explain Water resources: Use and over- utilization of surface and ground water, floods Explain drought, conflicts over water, dams benefits and problems
	3rd	04P	16-08-23	2.3 Explain Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources
			17-08-23	2.4 Explain effects of modern agriculture, fertilizers-pesticides problems, water logging, salinity
			18-08-23	2.5 Explain Energy Resources: Growing energy need, renewable and non-renewable energy sources
			21-08-23	2.5 Explain use of alternate energy Sources such as solar energy , wind energy , geo-thermal energy , tide energy etc.
SEPTEMBER	4th	04P	23-08-23	2.6 Explain Land Resources: Land as a resource, land degradation, man Induces landslides Soil erosion, and desertification
			24-08-23	2.b Role of individual in conservation of natural resources
			25-08-23	2c Equitable use of resources for sustainable life styles
			28-08-23	Doubt clear class
	5th	04P	31-08-23	3.1 Concept of an eco system
			01-09-23	3.2 Structure and function of an eco system.
			04-09-23	3.3 Explain Producers, consumers
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	6th	03P	07-09-23	3.4 Ecological succession, Decomposers Energy flow in the ecosystems

			08-09-23	3.5 Explain Food chains, food web and ecological pyramids
			11-09-23	3.6 Introduction, types, characteristic features, structure and function of the Forest ecosystem
			13-09-23	3.7 Explain Introduction, types, characteristic features, structure and function of the Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).
			14-09-23	4.1 Give an Introduction-Definition: genetics, species and ecosystem diversity.
			15-09-23	4.2 Explain Bio geographically classification of India
	8th	04P	18-09-23	4.3 Explain Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and option values.
			21-09-23	4.4 Biodiversity at global, national and local level
			22-09-23	4.5 Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts
			25-09-23	5a Definition Causes, effects and control measures of Air pollution
	9th	04P	27-09-23	5b Definition Causes, effects and control measures of Water pollution
			28-09-23	5c Definition Causes, effects and control measures of soil pollution
			04-10-23	5d Definition Causes, effects and control measures of marine pollution
			05-10-23	5e Definition Causes, effects and control measures of noise pollution
	10th	04P	06-10-23	5f Definition Causes, effects and control measures of thermal pollution
			09-10-23	Class Test
			10-10-23	
			11-10-23	5.2 Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
	11th	04P	12-10-23	5.3 Role of an individual in prevention of pollution
			13-10-23	5.4 Disaster management: Floods, earth quake, cyclone and landslides
			16-10-23	6.1 Explain Form unsustainable to sustainable development
			18-10-23	6.2 Urban problems related to energy.

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	12 th	04P	19-10-23	6.3 Water conservation, rain water harvesting, water shed management.
			20-10-23	6.4 Resettlement and rehabilitation of people; its problems and concern.
			30-10-23	6.5 Environmental ethics: issue and possible solutions.
			03-11-23	6.6 Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies
			06-11-23	6.7 Explain Air (prevention and control of pollution) Act
	13 th	04P	08-11-23	6.8 Explain Water (prevention and control of pollution) Act.
			09-11-23	6.9 Explain Public awareness.
			10-11-23	7.1 Explain Population growth and variation among nations.
			13-11-23	7.2 Population explosion- family welfare program.
	14 th	04P	15-11-23	7.3 Environment and human health
			16-11-23	7.4 Explain Human rights
			17-11-23	7.5 Explain Value education
			20-11-23	8.1 Explain Role of information technology in environment and human health
	15 th	04P	22-11-23	8.2 Definition Causes, effects and control measures of nuclear hazard
			23-11-23	8.3 Environment and human health 7.4 Explain Human rights,
			24-11-23	8.4 Explain Value education 8.5 Explain Role of information technology in environment and human health
			29-11-23	Revisions

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PREPARED BY
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Tinku
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METALLURGY
ENGINEERING

M/S
11.8.23
PRINCIPAL
OSME, KEONJHAR