

Discipline: <u>Electrical Engineering</u>		Semester: <u>3rd</u>	Name of the Teaching Faculty: <u>Abhilipsa Samantanday.</u>	
Subject: <u>EVS</u>		No of Days/Week Class Allotted: <u>4</u>	Semester From date: <u>15.09.22</u> To date: <u>13.01.23</u>	No. of Weeks: <u>15</u>
WEEK	Class Day	Theory Topics		
	1st	Definition of environmental studies; Introduction to environmental studies.		
	2nd	scope of Environmental studies.		
	3rd	Importance of Environmental studies.		
	4th	Need for public awareness.		
	5th			
	1st	Forest resource; use and over-exploitation, deforestation, case studies.		
	2nd	Timber extraction mining, dam and their effects on forests and tribal people.		
	3rd	Water resource: use and over-utilization of surface ground water, floods, drought.		
	4th	Mineral resource: use and exploitation, environmental effects of extracting and using.		
	5th			
	1st	Food resource: world food, problems, changes caused by agriculture and overgrazing, effect of modern agriculture.		
	2nd	Fertilizers - pesticide problem, water logging, salinity.		
	3rd	Energy resource: Growing energy need, renewable and non-renewable energy sources.		
	4th	Land resources: Land as a resource, land degradation.		
	5th			

WEEK	Class Day	Theory Topics
	1st	man induced land slides, soil erosion, & desertification, role of individual in conservation of natural resource, equitable
	2nd	Discussions of Important questions.
	3rd	concept of an eco system, str ⁿ & function of eco-system.
	4th	Producers, consumers, decomposers, definitions and their role in an ecosystem.
	5th	
	1st	Energy flow in the ecosystems, Ecological succession, food chains, food web.
	2nd	ecological pyramids, Introdution, types, characteristics features of forest ecosystem.
	3rd	str ⁿ and fun ⁿ forest ecosystem.
	4th	Introdution and types of aquatic ecosystem.
	5th	
	1st	characteristics of aquatic ecosystem str ⁿ and fun ⁿ of aquatic ecosystem.
	2nd	Discussions of Important questions.
	3rd	Introdution - definitions of genes, species and ecosystem diversity.
	4th	Bio-geographical classification of India.
	5th	

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WEEK	Class Day	Theory Topics		
	1st	value of biodiversity : consumption, productive use,		
	2nd	social ethical, aesthetic values,		
	3rd	Biodiversity at global, national and local level.		
	4th	Threats to biodiversity : Habitats loss		
	5th			
	1st	poaching of wild life man wild life conflicts.		
	2nd	D's sessions on CHAPTERS covered.		
	3rd	Internal examination (environmental pollution)		
	4th	Definitions, causes & effect of air pollution control measures of pollution.		
	5th			
	1st	definition, causes & effect of water pollution, control measures of water pollution,		
	2nd	definition, cause & effect of soil pollution, control measures of soil pollution,		
	3rd	D's session of Internal questions and distribution of EVALUATED ANSWERS sheets.		
	4th	definition, causes & effect of Marine pollution control measures of Marine pollution		
	5th			

WEEK	Class Day	Theory Topics
	1st	definition, causes & effects of noise pollution, control measures pollution,
	2nd	definition, causes & effect of thermal pollution, control measures of thermal pollution,
	3rd	definition, causes & effects of Nuclear Hazard, control measures of Nuclear Hazard.
	4th	solid waste management
	5th	
	1st	Disaster Management
	2nd	discussion of important questions,
	3rd	Social issue and the environment
	4th	rain water harvesting, water shed management
	5th	
	1st	Resettlement & rehabilitation of people its problems and concern.
	2nd	environmental ethics.
	3rd	acid rain, ozone layer depletion
	4th	discussion of important questions,
	5th	

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WEEK	Class Day	Theory Topics		
	1st	Nuclear accidents and holocaust, case studies		
	2nd	Air Act		
	3rd	water Act		
	4th	Public awareness		
	5th			
	1st	Human population & the environment		
	2nd	Environment and human health		
	3rd	Human rights:		
	4th	ENV TESTS		
	5th			
	1st	value education, environmental values, natural resources, value education.		
	2nd	social justice, human heritage, sustainable use of resources.		
	3rd	Common property resources, biological degradation, role of information technology		
	4th	Revision.		
	5th			




WEEK	Class Day	Theory Topics
	1st	
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	