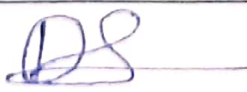



Discipline:	Mining	Semester:	3rd		Name of the Teaching Faculty:	ABHILIPSA SAMANTARAY
Subject:	Theory EVS	No of Days/Week Class Allotted:	Semester From date: 15/01/22 To date 18/01/22		No. of Weeks:	
WEEK	Class Day	Theory Topics				
1st	1st	<u>unit-1</u> : multidisciplinary nature of Environmental studies. Explanation of terms, definition, various components.				
	2nd	Physical, Biological, Edaphic factors of Environment Explanation & various scope of environment				
	3rd	Importance of public awareness				
	4th					
	5th					
2nd	1st	<u>unit-II</u> Natural resources. Introduction, classification of Natural resources.				
	2nd	<u>Forest Resources</u> : Use, exploitation, various factors, Case study.				
	3rd	<u>Water resources</u> : use, exploitation of ground water, Surface water bodies				
	4th	conflict over water, case study, Benefits, problems related to Dams.				
	5th					
3rd	1st	<u>Mineral Resources</u> : use, exploitation environmental effect of mineral extraction.				
	2nd	<u>Food Resources</u> : Food source, world food problem, effects of modern agriculture.				
	3rd	Problems due to changes caused by modernisation				
	4th	<u>Energy resources</u> : growing energy need classification of energy.				
	5th					

WEEK	Class Day	Theory Topics
4th	1st	Use of alternate energy resources. Land resources :- use, degradation.
	2nd	Effects of land degradation · Role of Individual, Sustainability.
	3rd	<u>unit-III</u> Ecosystem - it is structure & function concept of producer, consumer, decomposers
	4th	Various type of Energy flow in a Ecosystem Ecological success from terrestrial, wetlands
	5th	
5th	1st	Food chain, Food web, Ecological pyramid with Example
	2nd	<u>Forest ecosystem</u> : Introduction, types its feature structure & function with Example.
	3rd	<u>Aquatic ecosystem</u> : Type characteristics structure & function with Example
	4th	<u>unit-IV</u> : Biodiversity & its conservation, Introduction, Example
	5th	
6th	1st	<u>Diversity in Ecosystem</u> : various type & example of Genetics, Species, Ecosystem diversity.
	2nd	Consumptive value of Biodiversity
	3rd	Productive use of Bio-diversity
	4th	Social ethical, aesthetic values of Biodiversity.
	5th	

Discipline:		Semester:	Name of the Teaching Faculty:	
Subject:		No of Days/Week Class Allotted: _____	Semester From date: _____ To date _____	No. of Weeks:
WEEK	Class Day	Theory Topics		
7th	1st	<u>Nuclear Hazards</u> : Defn, cause, effects		
	2nd	Nuclear Holocaust, Control measures, Revision		
	3rd	<u>Unit-IV</u> social issues & environment sustainability its characteristics		
	4th	Urban problems - Related to energy consumption		
	5th			
8th	1st	Various factors of exploitation of energy		
	2nd	<u>Water conservation</u> : watershed management, Rainwater harvesting, case studies		
	3rd	Resettlement, Reliability of people i.e related Problems.		
	4th	Environmental ethics - Issues, solutions.		
	5th			
9th	1st	Climate change due to various factors.		
	2nd	Air (Prevention & control of pollution) Act all related term → explanation.		
	3rd	Water (Prevention & control of pollution) Act related term → explanation.		
	4th	<u>Unit-VII</u> : human population & environment Growth, variation among Nations.		
	5th			

WEEK	Class Day	Theory Topics
10th	1st	Biodiversity at Global . National & local level - Example
	2nd	Threats to Biodiversity → Habitats loss, various factors
	3rd	<u>Unit-V</u> Environmental pollution, its type, Common cause
	4th	<u>as Airpollution</u> ; Defination, Cause, effects, control measures
	5th	
11th	1st	Factors of pollution of Ground water, surface water.
	2nd	<u>soil pollution</u> ; Defination, cause of soil pollution, Effects, control measures
	3rd	Role of Individuals, community
	4th	<u>Marine pollution</u> ; Defination, Cause, effects.
	5th	
12th	1st	Control measures of marine pollution, Role of Govt. Bodies
	2nd	<u>Noise Pollution</u> ; Def ⁿ , cause, various factors.
	3rd	Effects, control measures, Role of individuals, Govt. Bodies.
	4th	<u>Thermal pollution</u> ; Def ⁿ , cause, effects, control measures.
	5th	

Discipline:		Semester:	Name of the Teaching Faculty:	
Subject:	No of Days/Week Class Allotted: _____	Semester From date: _____ To date _____		No. of Weeks:
WEEK	Class Day	Theory Topics		
13th	1st	<u>Population explosion</u> ; Its cause, effective measures to avoid explosion.		
	2nd	Effects of Environment on human health Human-rights - Articles discussion		
	3rd	Value Education, Role of IT in human health.		
	4th	Case studies, Govt. initiatives discussion.		
	5th			
14th	1st	Environmental protection Act → Air prevention		
	2nd	Control of pollution.		
	3rd	Revision of unit-6 → Dictate Notes, give Assignment, clear Doubt if any.		
	4th			
	5th			
	1st	 		
	2nd			
	3rd			
	4th			
	5th			