

Discipline: Mining		Semester: 3 rd	Name of the Teaching Faculty: Jayshree Kulkarni	
Subject: EVS		No of Days/Week Class Allotted: _____	Semester From date: 1/10/21 To date: January	No. of Weeks: _____
WEEK	Class Day	Theory Topics		
1 st	1st	Multidisciplinary nature of environmental studies. Explanation of terms, identification, various components.		
	2nd	Physical, biological, & dynamic factors of equilibrium - mental exploitation and various scope of environmental.		
	3rd	Importance and public awareness,		
	4th			
	5th			
2 nd	1st	Natural Resources. Introduction, Classification of natural resources.		
	2nd	Forest Resource: use, exploitation, various factors, case study.		
	3rd	Water resource: use, exploitation of ground water, surface water bodies.		
	4th	Cont. with over water, case study, benefits, problems related to dam.		
	5th			
3 rd	1st	Mineral resource: use, exploitation environmental effect of mineral extraction.		
	2nd	Food resource: food source, world food problem effects of modern agriculture.		
	3rd	Problems due to changes caused by modernisation.		
	4th	Energy resource: growing energy need classification of energy.		
	5th			

WEEK	Class Day	Theory Topics
4th	1st	use of alternative energy resources, land resource & use, degradation.
	2nd	effects of land degradation, Role of individual & social sustainability.
	3rd	unit-III: ecosystem, its structure and function, concepts of producer, consumer & decomposers.
	4th	various types of energy flow in an ecosystem & ecological succession from terrestrial & wetland.
	5th	
5th	1st	Food chain & food web, ecological pyramid with example.
	2nd	terrestrial ecosystem - Introduction, types, its features, structure and function with example.
	3rd	unit-IV: Biodiversity and its conservation - B.N, Introduction, example.
	4th	Aquatic ecosystem - type, characteristics, structure and function with example.
	5th	
6th	1st	Biodiversity in ecosystem - various types and examples of genetic, species, ecosystem diversity.
	2nd	conservative value of biodiversity.
	3rd	productive use of biodiversity.
	4th	social, ethical, aesthetic value of biodiversity.
	5th	

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7 th	1st	Nuclear Hazard of γ def ⁿ , cause, effects.		
	2nd	Nuclear Hazard, control measure Revision,		
	3rd	Unit - 11: Social Issues and environmental sustainability, IT's characteristics,		
	4th	Urban problem - Related to energy consumption,		
	5th			
8 th	1st	Various factors of exploitation of energy,		
	2nd	Water conservation & watershed management, Rain water harvesting - case study,		
	3rd	Resettlement, Rehabilitation of people IT's related problems.		
	4th	Environmental Ethical - Issue, solution,		
	5th			
9 th	1st	Climate change due to various factors,		
	2nd	Air Pollution and control of pollution IT all related terms \rightarrow explanation,		
	3rd	Water Pollution and control of pollution Act related terms \rightarrow explanation,		
	4th	Unit - 12: Human Population and environment - growth, variations among populations.		
	5th			

WEEK	Class Day	Theory Topics
10th	1st	Biodiversity at global, national and local level - example
	2nd	Threats to biodiversity & Habitat loss, various factors.
	3rd	Indiv - environmental pollution, this types common cause,
	4th	of Air pollution & deforestation, cause, effects Control measures,
	5th	by
11th	1st	by water pollution & deforestation, cause, effects, control measures,
	2nd	of soil pollution & deforestation, cause of soil pollution, effects, control measures,
	3rd	Role of Individuals, community
	4th	of marine pollution & deforestation cause effects,
	5th	
12th	1st	control measures of marine pollution, role of Govt, bodies,
	2nd	of noise pollution & def ⁿ , cause, various factors,
	3rd	effects, control measures, role of individual - Govt, Govt bodies,
	4th	Thermal pollution & def ⁿ , cause, effects control measures,
	5th	

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13 th	1st	Population explosion, its cause, effective measures to avoid explosion.		
	2nd	Effects of environmental on human health, human right - Artificial discussion,		
	3rd	Value education, Role of IT in env and human health,		
	4th	Case studies, case, Initiatives discuss - ion,		
	5th			
14 th	1st	Environmental Protection Act → Air prevention,		
	2nd	Control of pollution,		
	3rd	Revision of unit 6 by Debatelated, give Assignment; clear doubt story.		
	4th	Review class		
	5th			
15 th	1st	Review class		
	2nd	Review class		
	3rd	Doubt clear class		
	4th	Doubt clear class		
	5th			