		LESSON PLAN-3 <sup>RD</sup> SEMESTER (2	2020)	
		ENTAL STUDIES		
		- SOURAV ADHYA	0,4000000000000000000000000000000000000	
MONT H	MODULE/ UNIT	COURSE TO BE COVERED	CLASSES REQUIRED	REMARKS (IF ANY)
AUG	Unit-1	The Multidisciplinary nature of environmental studies	04	
		Definition, scope and importance, Need for public awareness.	4	
	Unit-2	Natural Resources	12	
	(a)	Natural resources and associated problems.		
		Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people.	3	
		Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.	3	
		Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.	1	
		Food Resources: World food problems, changes caused by agriculture and overgrazing, effects of modernagriculture, fertilizerspesticides problems, water logging, salinity,.	1	
		Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.	1	
		Land Resources: Land as a resource ,land degradation ,man induces landslides, soil erosion, and desertification.	1	
	(c)	Equitable use of resources for sustainable lifestyles	1	

	(d)	Equitable use of resources for sustainable lifestyles.	1
SEPT	Unit-3	Systems	12
		Concept of an ecosystem	
		Structure and function of an ecosystem.	2
		Producers, consumers, decomposers.	1
		Energy flow in the ecosystems.	2
		Ecological succession.	1
		Food chains, food web sand ecological pyramids.	1
		Introduction, types, characteristic features, structure and function of the following ecosystem.	2
		Forest ecosystem	1
		Aquatic ecosystems (ponds, streams, lakes,	2
		rivers, oceans, estuaries).	
	Unit-4	Biodiversity and it's Conservation	08
		Introduction-Definition:	2
		genetics, species and	
		ecosystem diversity.	
		Biogeographically classification of India.	1
		Value of	2
		biodiversity:consumptive	
		use, productive use, social ethical, aesthetic	
		and opt in values.	
		Biodiversity at global, national and local	1
		level.	
		Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.	2
ОСТ	Unit-5	Environmental Pollution.	18
	00	Definition Causes, effects and control	2
		measures of:	
	(a)	Air pollution.	2
	(b)	Water pollution.	2
	(c)	Soil pollution	2
	(d)	Marine pollution	1
	(e)	Noise pollution.	1
	(f)	Thermal pollution	1
	(h)	Nuclear hazards	2
		Solid waste Management : Causes, effects	2
		and control measures of urban and	
		industrial wastes.	
		Role of an individual in prevention of pollution.	1
		Disaster management: Floods, earth quake, cyclone and landslides.	2
	Unit-6	Social issues and the Environment	12
		From unsustainable to sustainable development.	2

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		Urban problems related to energy.	
		Water conservation, rain water harvesting, water shed management.	2
		Resettlement and rehabilitation of people; its problems and concern.	2
		Environmental ethics: issue and possible solutions.	2
		Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies	2
		Air (prevention and control of pollution) Act. Water	1
		Water (prevention and control of pollution) Act	1
		Public awareness.	
NOV	Unit-7	Human population and the environment	09
		Population growth and variation among nations.	2
		Population explosion-family welfare program.	1
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		Environment and human health.	2
		Human rights.	1
		Value education	1
		Role of information technology in environment and human health.	1