

## LESSON PLAN-2021-22 (WINTER-2021)

### SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

SL.NO	Discipline- ETC	Semester-3RD	Name of Teaching faculty-SASMITA KUMARI DAS	
CHAPTER	SUBJECT- ENVIRONMENTAL STUDIES	No of days/ per week class allotted-05	SEM From date- 01/10/2021 No of weeks-15	
	<b>Week</b>	<b>Class day</b>	<b>Theory Topics</b>	
1	1 <sup>st</sup>	1.10.2021	The Multidisciplinary nature of environmental studies: Definition, scope and importance.	
		4.10.2021	The Multidisciplinary nature of environmental studies: importance.	
		5.10.2021	Need for public awareness-environmental studies	
2		6.10.2021	<b>Natural Resources- Energy Resources: Growing energy need, renewable and non-renewable energy sources</b>	
		2 <sup>nd</sup>	07.10.2021	Use of alternate energy sources, Case studies
		08.10.2021	Over-exploitation of <b>Forest resources ,Deforestation, effects of deforestation</b> Use of Forest resources	
		09.10.2021	preventive measures of conservation of forests. Dams and their effects on forests and tribal people	
		11.10.2021	<b>Mineral Resources- Use and exploitation, Environmental effects of extracting and using minerals resources.</b>	
		3 <sup>rd</sup>	19.10.2021	Environmental damage caused by mining activities.effect and impact of modern agriculture
		20.10.2021	<b>Food Resources: World food problems, Changes caused by agriculture and over grazing</b>	
		21.10.2021	Effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity	
		4 <sup>th</sup>	22.10.2021	<b>Water resources- over-utilization of surface and ground water</b>
		25.10.2021	Conflicts over water, dam's benefits and problems, Land Resources: Land as a resource	
		26.10.2021	land degradation, man induces landslides, soil erosion, and desertification.	
		28.10.2021	<b>INTERNAL</b>	
		29.10.2021	Role of individual in conservation of natural resources. Equitable use of resources for sustainable life styles	
30.10.2021	<b>Environmental Pollution: Definition Causes, effects and control measures of Air pollution</b>			

3	1st	01.11.2021	Water pollution-Types, effects and sources of water pollution
	2nd	02.11.2021	<b>SOIL POLLUTION-Types,Control measures of soil pollution</b>
		03.11.2021	Marine pollution-Source of marine pollution
		05.11.2021	Effects of marine pollutants
		06.11.2021	<b>NOISE POLLUTION-Types of noise, Effects of Noise pollution</b>
	3rd	08.11.2021	Control and preventing measures of noise pollution
		09.11.2021	<b>DURGAPUJA HOLIDAY</b>
		10.11.2021	THERMAL Pollution-Sources of thermal pollution
		11.11.2021	Effects of thermal pollution,Control measures of thermal pollution
	4th	13.11.2021	Nuclear Hazard- Sources of Nuclear Hazards:
		15.11.2021	Control measures from Nuclear Hazards, Disposal of Radioactive wastes:
		16.11.2021	1ST INTERNAL
	5th	17.11.2021	1ST INTERNAL
		18.11.2021	1ST INTERNAL
		19.11.2021	Process of Solid WASTE Management,disaster management- floods,cyclones, land slides
	1st	22.11.2021	Disaster Management- Earth Quakes, Tsunami
		23.11.2021	Concept of an <b>Eco system</b> -Structure and Components of an Ecosystem
		24.11.2021	Energy flow through atmosphere to an ecosystem
	26.11.2021	FOREST ECOSYSTEM-Structure and Function of Forest Ecosystem	
2nd	27.11.2021	GRASSLAND ECOSYSTEM, AQUATIC ECOSYSTEMS	
	29.11.2021	FOOD CHAIN, FOOD WEB,ECOLOGICAL PYRAMIDS, ECOLOGICAL SUCCESSION	
	30.11.2021	<b>BIODIVERSITY-VALUES OF BIODIVERSITY</b>	
3rd	01.12.2021	Biogeographically classification of India	
	02.12.2021	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values	
	03.12.2021	Biodiversity at global, national and local level	
	04.12.2021	Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.	
4th	06.12.2021	CONSERVATION OF BIODIVERSITY	
4		07.12.2021	<b>Social issues and the Environment-</b> Sustainable Development
		08.12.2021	Urban problems related to energy
		10.12.2021	Water conservation, rain water harvesting, water shed management.

		11.12.2021	Resettlement and rehabilitation of people; its problems and concern
	1st	13.12.2021	Environmental ethics: issue and possible solutions
		14.12.2021	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.
5		15.12.2021	Environmental Ethics, Air (prevention and control of pollution) Act.
	2nd	17.12.2021	Water (prevention and control of pollution) Act. Public awareness.
		18.12.2021	Human population and the environment
		20.12.2021	<b>Population growth</b> and variation among nations
		21.12.2021	Population explosion- family welfare program.
	3rd	22.12.2021	Environment and human health, Human rights, Value education
		24.12.2021	Role of information technology in environment and human health.
		27.12.2021	INDIAN CONSTITUTION

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