

## LESSON PLAN

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

DISIPLINE-MINING ENGG.	SEMESTER 3RD	NAME OF THE FACULTY- ER. ASHOK KUMAR PANIGRAHI	REMARK
SUBJECT - EVS	NO. OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM -15.09.2022	
WEEK	DATE	TOPICS	
1ST	15.09.2022	Introduction class on environmental study.	
	19.09.2022	Definition, scope and importance.	
	22.09.2022	Need for public awareness.	
	24.09.2022	Natural resources and associated problems.	
2ND	30.09.2022	Forest resources: Use and over-exploitation, deforestation, case studies.	
	07.10.2022	Water resources: Use and over-utilization of surface and ground water.	
	10.10.2022	Floods, drought, conflicts over water, dam's benefits and problems.	
	14.10.2022	Use and exploitation, environmental effects of extracting & using mineral resources.	
3RD	17.10.2022	World food problems, changes caused by agriculture and over grazing	
	19.10.2022	Effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity,.	
	21.10.2022	Energy Resources: renewable and non-renewable energy sources,	
	24.10.2022	Use of alternate energy sources, case studies	
4TH	27.10.2022	Land Resources: Land as a resource, land degradation.	
	29.10.2022	Man Induces landslides, soil erosion, and desertification.	
	31.10.2022	Mock test.	
	02.11.2022	Role of individual in conservation of natural resources.	
5TH	04.11.2022	Equitable use of resources for sustainable life styles.	
	05.11.2022	Concept of an ecosystem.	
	08.11.2022	Structure and function of an ecosystem.	
	09.11.2022	Producers, consumers, decomposers.	
6TH	11.11.2022	Energy flow in the eco systems.	
	15.11.2022	Ecological succession.	
	17.11.2022	Food chains, food webs and ecological pyramids.	
	18.11.2022	Introduction, types, characteristic features, structure and function of the ecosystem:	
7TH	21.11.2022	Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).	
	22.11.2022	Introduction-Definition: genetics, species and ecosystem diversity.	
	24.11.2022	Biogeographically classification of India.	
	25.11.2022	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic.	
8TH	28.11.2022	Biodiversity at global, national and local level.	
	30.11.2022	Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.	
	01.12.2022	Definition Causes, effects and control measures of Air pollution & Water pollution.	
	09.12.2022	Definition Causes, effects and control measures of Soil pollution & Marine pollution.	
9TH	13.12.2022	Definition Causes, effects and control measures of Thermal pollution&Nuclear hazards.	
	16.12.2022	Solid waste Management: Causes, effects and control measures of urban and industrial wastes.	
	19.12.2022	Role of an individual in prevention of pollution.	
	21.12.2022	Disaster management: Floods, earth quake, cyclone and landslides.	
10TH	27.12.2022	Form unsustainable to sustainable development.	
	29.12.2022	Urban problems related to energy.	
	31.12.2022	Water conservation, rain water harvesting, water shed management.	
	02.01.2023	Resettlement and rehabilitation of people; its problems and concern.	
11TH	03.01.2023	Environmental ethics: issue and possible solutions.	
	04.01.2023	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.	

12TH	06.01.2023	Air & water (prevention and control of pollution) Act.	
	07.01.2023	Public awareness.	
	09.01.2023	Population explosion- family welfare program.	
	10.01.2023	Environment and human health.	
	11.01.2023	Human rights & Value education	
	12.01.2023	Role of information technology in environment and human health.	

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