

# LESSON PLAN

**Discipline -Civil Engineering.**

**TEACHING FACULTY: SWAGATIKA DANI**

**Subject-Environmental Studies(Th-5)**

**Semester From Date:- 15.09.2022 to 22.12.2022**

**4P/WEEK**

**SEMESTER -3rd**

**No of Weeks -15**

**No of Days/week class allotted:04 period per week(Tue,Wed,Thu & Friday 1 period each)**

**SYLLABUS TO BE COVERED**

MONTH	WEEK	DATE	DAYS/ PERI OD	SYLLABUS TO BE COVERED	NO. OF PERIODS AVAILABLE
				<b>SYLLABUS TO BE COVERED</b>	<b>4</b>
<b>S E P T E M B E R</b>	<b>3rd</b>	15/09/2022	Thu	1.1 Introduction & Definition	1
		16/09/2022	Fri	1.2 Scope of environmental studies	1
	<b>4th</b>	20/09/2022	Tues	1.3 Importance of environmental studies	1
		21/09/2022	Wed	1.4 Need for public awareness	1
				<b>CHAPTER -2 NATURAL RESOURCES</b>	10
		22/09/2022	Thu	2.1 Natural resources, Renewable & Non-renewable resources	1
		23/09/2022	Fri	2.2-Forest resources: 2.2.1-Used and over exploitation, deforestation, case studies	1
		27/09/2022	Tues	2.2.2-Timber extraction, mining, dam and their effects on forests and trival people	1
	<b>5th</b>	28/09/2022	Wed	2.3- Water resources: 2.3.1-Use and over -utilization of surface and ground water	1
		29/09/2022	Thu	2.3.2-Floods,drought,conflicts over water, dams-benefits and problems	1
		30/09/2022	Fri	2.4-Mineral Resources :2.4.1-Use and over exploitation, environmental effects of extracting & using of mineral resources, case studies	1
		11/10/2022	Tues	2.5-Food Resources :2.5.1-world food problems, changes caused by agriculture and overgrazing ,effects of modern agriculture, fertilizer, pesticides problems, waterlogging, salinity, case study	1
		12/09/2022	Wed	2.6-Energy Resources :2.6.1-Growing energy needs, renewable and non-renewable energy resources, use of alternate energy sources, case studies.	1
<b>O</b>		13/10/2022	Thu	2.7-Land Resources :Land as a resource, land degradation, man-induced landslides, soil erosion and deforestation.	1

C T O B E R	3rd	14/10/2022	Fri	2.8-Role of individual in conservation of natural resources, equitable use of resources for sustainable lifestyle	1
	4th			<b>CHAPTER -3 ECOSYSTEM</b>	8
		18/10/2022	Tues	3.1- Concept of ecosystem	1
		19/10/2022	Wed	3.2-Structure of ecosystem, producers, consumers, decomposers.	1
		20/10/2022	Thu	3.3-Function of ecosystem	1
		21/10/2022	Fri	3.4-Energy flow in ecosystem and ecological succession	1
		25/10/2022	Tues	3.5- Food chains, food webs, and ecological pyramid	1
		26/10/2022	Wed	3.6-Introduction,types,characteristic features, structure and function of following ecosystem :3.6.1-Forest ecosystem	1
	5th	27/10/2022	Thu	3.6.2-Aquatic(pond,stream,lake)	1
		28/10/2022	Fri	3.6.3-River, ocean, estuaries	1
			<b>CHAPTER -4 BIODIVERSITY AND CONSERVATION</b>	8	
N O V E M B E R	1st	01/11/2022	Tues	4.1-Introduction-defination,genetics,species and ecosystem diversity	1
		02/11/2022	Wed	4.2-Biogeographically classification of India	1
		03/11/2022	Thu	4.3-Values of biodiversity :4.3.1 consumptive use, productive use, social value	1
		04/11/2022	Fri	4.3.2-Ethical value, asthetic value and other value	1
	2nd	09/11/2022	Wed	4.4.1-Biodiversity at global level	1
		10/11/2022	Thu	4.4.2-Biodiversity at national level	1
		11/11/2022	Fri	4.4.3-Biodiversity at local level	1
	3rd	15/11/2022	Tues	4.5-Threats ti biodiversity :Habitat loss pouching of wildlife, man wildlife conflits.	1
				<b>CHAPTER -5 ENVIRONMENTAL POLLUTION</b>	12
		16/11/2022	Wed	5.1-Definition, causes, effects and control measures of : Air pollution	1
		17/11/2022	Thu	5.2-Water pollution	1
		18/11/2022	Fri	5.3-Soil pollution	1
	4th	22/11/2022	Tues	5.4-Marine pollution	1
		23/11/2022	Wed	5.5-Noise pollution	1
		24/11/2022	Thu	5.6-Thermal pollution	1
25/11/2022		Fri	5.7-Nuclear hazards	1	
5th	29/11/2022	Tues	5.8.1-Solid waste management :causes, effects	1	
	30/11/2022	Wed	5.8.2-control measure of urban and industrial wastes.	1	

<b>D E C E M B E R</b>	<b>1st</b>	01/12/2022	Thu	5.9-Role of an individual in prevention of pollution.	1	
		02/12/2022	Fri	5.10-Disaster management :5.10.1-Floods,earthquake.	1	
	<b>2nd</b>	06/12/2022	Tues	5.10.2-Cyclone and landslides.	1	
				<b>CHAPTER -6 SOCIAL ISSUES AND ENVIRONMENT</b>	10	
		07/12/2022	Wed	6.1-From unsustainable to sustainable development	1	
		08/12/2022	Thu	6.2-Urban problem related to energy	1	
		09/12/2022	Fri	6.3-Water conservation, rain water harvesting,watershed management	1	
		<b>3rd</b>	13/12/2022	Tues	6.4.1-Resettlement & rehabilitation of people	1
			14/12/2022	Wed	6.4.2-its problems and concerns	1
	15/12/2022		Thu	6.5.1-Climate change ,global warming,acid rain	1	
	16/12/2022		Fri	6.5.2- Ozone layer depletion ,nuclear accident, holocaust, case study	1	
	<b>4th</b>		20/12/2022	Tues	6.6-Air(prevention and control of pollution) Act	1
		21/12/2022	Wed	6.7-Water(prevention and control of pollution) Act	1	
		22/12/2022	Thu	6.8-Public awareness	1	
	<b>EXTRA CLASS</b>			<b>CHAPTER -7 HUMAN POPULATION AND ENVIRONMENT</b>	8	
				7.1-Introduction	1	
				7.2.1 -Population growth	1	
				7.2.2-Variation among nations.	1	
				7.3-Population explosion -Family welfare programme.	1	
				7.4-Environment and human health.	1	
			7.5-Human rights	1		
			7.6-Value of education.	1		
			7.7-Role of information technology in environment and human health	1		