



LESSON PLAN-2023(WINTER 2023)

SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

Discipline- ELECTRICAL	Semester-3RD	Name of teaching faculty- ANIL KU. BISWAL
SUBJECT- EVS	No of days/ per week class alloted-5	SEM From date- 01.08.2023 No of weeks-17
Week	Class day	Theory Topics
1ST	01.08.2023	The Multidisciplinary nature of environmental studies:
	02.08.2023	1.1 Definition, scope and importance.
	03.08.2023	1.2 Need for public awareness.
	04.08.2023	DO
2ND	07.08.2023	Renewable and non-renewable resources: 2.1 Natural resources and associated problems.
	08.08.2023	2.1.1. Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people
	09.08.2023	2.1.2. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems
	10.08.2023	2.1.3. Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
	11.08.2023	2.1.4. Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity
	12.08.2023	2.1.5. Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
3RD	14.08.2023	2.1.6. LandResources: Landasaresource, landdegradation, man induces landslides, soil erosion, and desertification
	16.08.2023	2.2 Role of individual in conservation of natural resources.
	17.08.2023	DO
	18.08.2023	2.3 Equitable use of resources for sustainable life styles.
	19.08.2023	CLASS TEST
4TH	20.08.2023	3.1. Concept of an eco system
	22.08.2023	3.2. Structure and function of an eco system.
	23.08.2023	3.3. Producers, consumers, decomposers.
	24.08.2023	3.4. Energy flow in the eco systems. 3.5. Ecological succession.
	25.08.2023	3.6. Food chains, food webs and ecological pyramids.
	26.08.2023	3.7. Introduction, types, characteristic features, structure and function of the following eco system:
5TH	28.08.2023	3.8. Forest ecosystem:
	29.08.2023	3.9. Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries)
	30.08.2023	CLASS TEST

	31.08.2023	4.1. Introduction-Definition: genetics, species and ecosystem diversity.
	01.09.2023	4.2. Biogeographically classification of India.
	02.09.2023	4.3. Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and option values
1ST	04.09.2023	DO
	05.09.2023	4.4. Biodiversity at global, national and local level.
	06.09.2023	DO
	07.09.2023	4.5. Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts
	08.09.2023	DO
	09.09.2023	CLASS TEST
2ND	11.09.2023	5.1.1 Air pollution
	12.09.2023	5.1.2 Water pollution.
	13.09.2023	5.1.3 Soil pollution
	14.09.2023	5.1.4 Marine pollution
	15.09.2023	5.1.5 Noise pollution.
	16.09.2023	5.1.6 Thermal pollution
3RD	18.09.2023	DO
	20.09.2023	5.1.7 Nuclear hazards
	21.09.2023	5.2. Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
	22.09.2023	5.3. Role of an individual in prevention of pollution
	23.09.2023	5.4. Disaster management: Floods, earth quake, cyclone and landslides
4TH	25.09.2023	DO
	26.09.2023	CLASS TEST
	27.09.2023	6.1. Form unsustainable to sustainable developmen
	28.09.2023	6.2. Urban problems related to energy
	30.09.2023	6.3. Water conservation, rain water harvesting, water shed management.
1ST	03.10.2023	6.4. Resettlement and rehabilitation of people; its problems and concern
	04.10.2023	6.5. Environmental ethics: issue and possible solutions.
	05.10.2023	6.6. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies
	06.10.2023	DO
	07.10.2023	6.7. Air (prevention and control of pollution) Act.
2ND	09.10.2023	DO
	10.10.2023	INTERNAL
	11.10.2023	INTERNAL
	12.10.2023	INTERNAL
	13.10.2023	INTERNAL
	14.10.2023	INTERNAL
3RD	16.10.2023	6.8. Water (prevention and control of pollution) Act. 6.9. Public

		awareness.
	17.10.2023	CLASS TEST
	18.10.2023	7.1. Population growth and variation among nations
	19.10.2023	7.2. Population explosion- family welfare program
	20.10.2023	DO
	30.10.2023	7.3. Environment and human health.
	31.10.2023	7.4. Human rights.
1ST	01.11.2023	7.5. Value education
	02.11.2023	DO
	03.11.2023	7.6. Role of information technology in environment and human health.
	04.11.2023	DO
2ND	06.11.2023	CLASS TEST
	07.11.2023	Revision of chapter 1
	08.11.2023	2 & 5 mark question discussion
	09.11.2023	Revision of chapter 2
	10.11.2023	2 & 5 mark question discussion
	11.11.2023	Revision of chapter 3
3RD	13.11.2023	2 & 5 mark question discussion
	14.11.2023	Revision of chapter 4
	15.11.2023	2 & 5 mark question discussion
	16.11.2023	Revision of chapter 5
	17.11.2023	2 & 5 mark question discussion
	18.11.2023	Revision of chapter 6
4TH	20.11.2023	2 & 5 mark question discussion
	21.11.2023	Revision of chapter 7
	22.11.2023	2 & 5 mark question discussion
	23.11.2023	Previous year question discussion
	24.11.2023	Do
	25.11.2023	Do
5TH	27.11.2023	Do
	28.11.2023	Do
	29.11.2023	Do
	30.11.2023	Do

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