

LESSON PLAN (Winter-2020)

Discipline: ETC	Semester: 3rd	Name of the Teaching Faculty: SOMA DASH
Subject: Environmental Studies	No of Days /per week class allotted: 4	Semester From date: 01.09.2020 To 19.03.2021 No of Weeks:15
Date	Class Day	Theory / Practical Topics
4.10.21	1st	1. The Multidisciplinary nature of environmental studies:(04) 1.1 Definition, scope and importance.
7.10.21	2nd	1.1 Definition, scope and importance.
7.10.21	3rd	1.2 Need for public awareness.
9.10.21	4th	1.2 Need for public awareness.
	1st	PUJA VACATION
	2nd	
	3rd	
	4th	
11.10.21	1st	2. Natural Resources:Renewable and non renewable resources(08) 2.1 Natural resources and associated problems. 2.1.1. Forest resources: Use and over-exploitation, deforestation,
16.10.21	2nd	case studies, Timber extraction mining, dams and their effects on forests and tribal people.
16.10.21	3rd	2.1.2. Water resources: Use and over-utilization of surface and ground water,
18.10.21	4th	floods, drought, conflicts over water, dam's benefits and problems.
21.10.21	1st	2.1.3. Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
23.10.21	2nd	2.1.4. Food Resources: World food problems, changes caused by agriculture and over grazing,
23.10.21	3rd	effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity.
25.10.21	4th	2.1.5. Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies
28.10.21	1st	2.1.6. Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification.
28.10.21	2nd	2.2 Role of individual in conservation of natural resources. 2.3 Equitable use of resources for sustainable life styles
30.10.21	3rd	3. Systems:(08) 3.1 Concept of an eco system. 3.2 Structure and function of an eco system
1.11.21	4th	3.3. Producers, consumers, decomposers.
1.11.21	1st	3.4. Energy flow in the eco systems.
6.11.21	2nd	3.5. Ecological succession.
8.11.21	3rd	3.6. Food chains, food webs and ecological pyramids.
8.11.21	4th	3.7. Introduction, types, characteristic features, structure and function of the following eco system:

11.11.21	1st	3.8. Forest ecosystem:
13.11.21	2nd	3.9. Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries)
15.11.21	3rd	4. Biodiversity and it's Conservation:(08)
15.11.21	4th	4.1 Introduction-Definition: genetics species and ecosystem diversity.
18.11.21	1st	4.2. Biogeographically classification of India.
20.11.21	2nd	4.3. Value of biodiversity: consumptive use, productive use,
20.11.21	3rd	social ethical, aesthetic and optin values.
22.11.21	4th	4.4. Biodiversity at global, national and local level.
25.11.21	1st	4.5. Threats to biodiversity: Habitats loss,
25.11.21	2nd	poaching of wild life, man wildlife conflicts.
27.11.21	3rd	5. Environmental Pollution:(12)
29.11.21	4th	5.1. Definition Causes, effects and control measures of:
29.11.21	1st	5.1.1 Air pollution.
2.12.21	2nd	5.1.2 Water pollution.
4.12.21	3rd	5.1.3 Soil pollution
4.12.21	4th	5.1.4 Marine pollution
6.12.21	1st	5.1.5 Noise pollution.
9.12.21	2nd	5.1.6 Thermal pollution
9.12.21	3rd	5.1.7 Nuclear hazards.
11.12.21	4th	5.2. Solid waste Management: Causes, effects and
13.12.21	1st	control measures of urban and industrial wastes.
13.12.21	2nd	5.3. Role of an individual in prevention of pollution.
16.12.21	3rd	5.4. Disaster management: Floods, earth quake, cyclone and landslides.
18.12.21	4th	6. Social issues and the Environment:(10)
18.12.21	1st	6.1. Form unsustainable to sustainable development.
20.12.21	2nd	6.2. Urban problems related to energy.
23.12.21	3rd	6.3. Water conservation, rain water harvesting, water shed management.
27.12.21	4th	6.4. Resettlement and rehabilitation of people; its problems and concern.
27.12.21	1st	6.5. Environmental ethics: issue and possible solutions.
30.12.21	2nd	6.6. Climate change, global warming, acid rain,
30.12.21	3rd	ozone layer depletion, nuclear accidents and holocaust, case studies.
3.1.22	4th	6.7. Air (prevention and control of pollution) Act.
6.1.22	2nd	6.8. Water (prevention and control of pollution) Act. 6.9. Public awareness.
8.1.22	3rd	7. Human population and the environment:(08)
8.1.22	4th	7.1. Population growth and variation among nations.
8.1.22	1st	7.2. Population explosion- family welfare program.
8.1.22	2nd	7.3. Environment and human health.
8.1.22	3rd	7.4. Human rights. 7.5. Value education
8.1.22	4th	7.6. Role of information technology in environment and human health.

