



LESSON PLAN OF ENVIRONMENTAL STUDIES 3RD SEMESTER 2024-25

Week	Class Day	Theory	Remarks
1	1-4	Unit1: The Multidisciplinary nature of environmental studies Definition, scope and importance, Need for public awareness.	
2	5-8	Unit2: Natural Resources Renewable and non-renewable resources: Natural resources and associated problems. . Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people. Water resources: Use and over-utilization of surface and groundwater, floods, drought, conflict over water, dam's benefits and problems. Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.	
3	9-12	Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity, . . Energy Resources: Growing energy need, renewable and non- renewable energy sources, use of alternate energy sources, case studies. . Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification. Role of individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.	
4	13-16	Unit3: Systems Concept of an ecosystem. Structure and function of an ecosystem. Producers, consumers, decomposers. . Energy flow in the ecosystems. Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem:	
5	17-20	Forest ecosystem: Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries). Unit4: Biodiversity and its Conservation Introduction- Definition: genetics, species and ecosystem diversity. . Biogeographical classification of India.	
6	21-24	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and option values. Biodiversity at global, national and local level.	

7	25-28	Threats to biodiversity: Habitats loss, poaching of wildlife, man wildlife conflicts. . Revision	
8	29-32	Unit 5: Environmental Pollution. . Definition Causes, effects and control measures of: . Air pollution. . Water pollution.	
9	33-36	. Soil pollution . Marine pollution . Noise pollution.	
10	37-40	. Thermal pollution . Nuclear hazards	
11	41-44	. Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution	
12	45-48	. Disaster management: Floods, earthquake, cyclone and landslides. Unit 6: Social issues and the Environment Form unsustainable to sustainable development. Urban problems related to energy.	
13	49-52	. Water conservation, rainwater harvesting, watershed management. Resettlement and rehabilitation of people; its problems and concern. Environmental ethics: issue and possible solutions. . Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies. Air (prevention and control of pollution) Act.	
14	53-56	. Water (prevention and control of pollution) Act. Public awareness. Unit 7: Human population and the environment Population growth and variation among nations. Population explosion-family welfare program.	
15	57-60	. Environment and human health. Human rights. Value education Role of information technology in environment and human health.	

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