

Lesson Plan

Session – (2022-23)

Name of faculty member: Mr. Ravinder

Subject – Environment Studies Class – B.Com -1st year

Week		Topics
1	22/08/2022 to 27/08/2022	Multidisciplinary nature of Environmental studies: Definition, scope and importance, need for public awareness; Concept, Structure and function of an ecosystem.
2	29/08/2022 to 03/09/2022	Producers, consumers and decomposers, Energy: flow in the ecosystem, Ecological succession, Food chains.
3	05/09/2022 to 10/09/2022	Food webs and ecological pyramids; Introduction, characteristics features, structure and function of different ecosystems such as Forest ecosystem.
4	12/09/2022 to 19/09/2022	Grassland ecosystem, Desert ecosystem, Aquatic ecosystem (Ponds, Stream, lakes, rivers, oceans, estuaries).
5	20/09/2022 to 01/10/2022	Biodiversity: Introduction, Definition: genetic, species and ecosystem diversity, Bio-geographical classification of India, Ecosystem & biodiversity services: ecological, economic, social, consumptive use, productive use, social ethical, aesthetic and option values;
6	03/10/2022 to 14/10/2022	Biodiversity at global, national and local level, India as a mega-diversity nation, Global Hot-spot of biodiversity, Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, Biological invasions, Endangered and endemic species of India
7	15/10/2022 to 21/10/2022	Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Renewable and non-renewable resources, Natural resources and associated problems
Diwali Vacations		

8	27/10/2022 to 30/10/2022	Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction, mining, dams and their effects on forests and tribal people.
9	31/10/2022 to	Water resources: Use and over utilization of surface and ground water, floods, droughts conflicts over water, dams benefits and

	06/11/2022	problems. Mineral resources: Use and exploitation, environmental effects of extracting and mineral resources;
10	07/11/2022 to 13/11/2022	Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity
11	14/11/2022 to 20/11/2022	Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, case studies; Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
12	21/11/2022 to 27/11/2022	Definition of Environment Pollution; Causes, effects and control measures of: Air Pollution, Water Pollution, Soil pollution, Noise pollution, Nuclear hazards and human health risks;
13	28/11/2022 to 04/12/2022	Solid waste Management: Causes, effects and control measures of urban and industrial wastes; Pollution case studies; Disaster management: floods, earthquake, cyclone and landslides; Climate change, global warming, acid rain, ozone layer depletion
14	05/12/2022 to 11/12/2022	Different laws related to environment: Environment Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and Control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act.; International agreements :Montreal & Kyoto Protocol & Nature reserves, tribal populations and human health,
15	12/12/2022 to 18/12/2022	Concept of sustainability & sustainable development, water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of project affected persons; case studies; Environment ethics: role of Indian and other religions and cultures in environmental conservation

16	19/12/2022 to 27/12/2022	Environmental communication and public awareness, case studies (eg. CNG vehicles in Delhi); Human Population growth: Impact on environment, human health & welfare, Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan
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Ravinder
Asst. Professor in Geography.