

Lesson Plan for 1st Sem

Session 2023-24

Name of Assistant/Associate Professor: Dr. Poonam Yadav

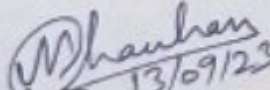
Class and Section: B. Com, B.Sc 1st (1st Sem)

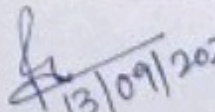
Subject: Environmental Studies

Lesson Plan: July 2023 to November 2023

Week of Month	Topics Covered
July 2023	
Week 4 & 5 (24 th July to 31 st July)	Multidisciplinary nature of Environmental studies: Definition, scope and importance, need for public awareness; Concept, Structure and function of an ecosystem: Producers, consumers and decomposers.
August 2023	
Week 1 (01 st Aug. to 05 th Aug.)	Introduction, characteristics features, structure and function of different ecosystems such as Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystem (Ponds, Stream, lakes, rivers, oceans, estuaries). Food chains, Food web and ecological pyramids, Energy flow in the ecosystem, Ecological succession.
Week 2 (07 th Aug. to 12 th Aug.)	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;
Week 3 (14 th Aug. to 19 th Aug.)	Biodiversity at global, national and local level, India as a mega-diversity nation, Global Hot-spot of biodiversity. Threats to the biodiversity, Habitat loss, poaching of wild life, man wildlife conflicts, bio invasions, endangered and endemic species of India. Conservation of biodiversity: Ex situ and In situ.
Week 4 (21 st Aug. to 26 th Aug.)	Forest resources: Use and overexploitation, deforestation, case studies, timber extraction, minning, dams and their effects on forests and tribal people. Water resources: Use and over utilization of surface and ground water, floods, droughts conflicts over water, dams benefits and problems
Week 5 (28 th Aug. to 31 st Aug.)	Mineral resources: Use and exploitation, environmental effects of extracting and mineral resources. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.
September 2023	
Week 1 (1 st to 2 nd Sept.)	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.
Week 2 (4 th to 9 th Sept.)	Definition of Environment Pollution; Causes, effects and control measures of: Air Pollution, Water Pollution, Soil pollution, Noise pollution, Nuclear hazards and human health risks.
Week 3 (11 th to 16 th)	Solid waste Management: Causes, effects and control measures of urban

Sept.)	and industrial wastes; Pollution case studies. Disaster management: floods, earthquake, cyclone and landslides.
Week 4 (18th to 23rd Sept.)	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.
Week 5(25 th to 30 th Sept.)	Revision, Test
October 2023	
Week 1 (2nd to 7th Oct.)	Resettlement and rehabilitation of project affected persons; case studies. Environment ethics: role of Indian and other religions and cultures in environmental conservation,
Week 2 (9th to 14 th Oct.)	Environmental communication and public awareness, case studies (eg. CNG vehicles in Delhi).
Week 3(16 th to 21 st Oct.)	Human Population growth: Impact on environment, human health & welfare, Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.
Week 4 (23rd to 28th October)	Revision, Test, Assignments
Week 5 (30 th & 31 st Oct.)	Environment ethics: role of Indian and other religions and cultures in environmental conservation, Environmental communication and public awareness, case studies (eg. CNG vehicles in Delhi).
November 2023	
Week 1 (1st to 4 th Nov.)	Climate change, global warming, acid rain, ozone layer depletion.
Week 2 (6 th to 09 th Nov.)	Concept of sustainability & sustainable development, water conservation, rain water harvesting, watershed management.
Week 3 (10 th to 16th Nov.)	Diwali Vacations
Week 4 (17 to 24 th Nov.)	Revision


13/09/23
Head of Department


13/09/2023
Signature of Teacher