

Name : Ms. GAGANDEEP  
Designation : Assistant Professor  
Department : ARTS

LESSON PLAN (Even Sem.)

CLASS – B.Com/ B.A 2<sup>nd</sup> Sem.

Subject : (FOUNDATION COURSE IN ENVIRONMENTAL STUDIES)

Week 1: Definition, Principles and Significance of Environment Studies, General introduction about Abiotic and biotic spheres of the Environment

Week2: General introduction about Abiotic and biotic spheres of the Environment: Atmosphere, Hydrosphere, Lithosphere and Biosphere.

Week3: Need for Environment awareness, Sustainable development: Definition, concept

Week4: Sustainable development: tenets of sustainability: Ecology, Environment and Society.

Week5: Natural Resources I: Energy resources: Non-renewable energy resources: Fossil fuel and their reserves, impacts of their uses

Week6: Renewable energy resources: Scope and advantages, solar energy wind energy, hydroelectric energy

Week7: Growing energy needs, Non-conventional energy resources.

Week8: Natural Resources II: Forest resources: Types of forests in India, Use and over-exploitation, deforestation: causes and Consequences, Afforestation programme

Week9: Water resources : Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams benefits and problems, Rainwater harvesting

Week10: Drug Abuse: Concept of Health: Physical Health, Mental Health, Factors affecting Mental and Physical Health, Management of positive mental health;

Week11: Drugs and their effects: What are drugs, useful and harmful drugs, stimulant and depressant drugs,

Week12: Drugs and their effects: use and abuse of drugs, concept of drug de-addiction

Week13: Legal Position on drugs: Laws related to drugs i.e. NDPS etc., Concept of Narcoterrorism, role and responsibilities of legal service authorities

Week14: Awareness Programmers on drugs; Impacts of drugs/Alcohol/Smoking on Longevity

Week15: Revision

Week16: Revision

**CLASS – B.Com/ B.A 4<sup>th</sup> Sem.**

**Subject : ENVIRONMENTAL POLLUTION**

- Week1: Water pollution: Natural and anthropogenic sources of water pollution and their effects.**
- Week2: Marine pollution, Thermal pollution.**
- Week3: , Eutrophication, Ground water pollution.**
- Week4: Air pollution: Sources, Classification and properties of air pollutants (Particulate matter, Inorganic gaseous pollutants, Organic gaseous pollutants)**
- Week5: Smog, Acid rain, Ozone layer depletion, Green house effects.**
- Week6: , Global warming, Effects of air pollution on Human health.**
- Week7: Soil pollution: Soil pollution from the use of agrochemicals (viz. Fertilizers and Pesticides).**
- Week8: Soil pollution: Heavy metals, Industrial effluents and Detrimental effects of soil pollutant.**
- Week9: Soil pollution: , Remedial measures for soil pollution.**
- Week10: Types and sources Solid waste, Electronic waste.**
- Week11: Radioactive and Noise pollution: Definition Sources of radioactive pollution.**
- Week12: Radioactive and Noise pollution: Radioactivity, effects of radioactive pollution.**
- Week13: Sound pressure level, Frequency, noise monitoring and sound level meter.**
- Week14: Sources and effects of noise pollution, Effects of noise pollution on human health.**
- Week15: Revision**
- Week16: Revision**

CLASS – B.Com/ B.A 6<sup>th</sup> Sem.

Subject : ENVIRONMENTAL CONSERVATION AND SOCIETY

Week1: National protection laws: India's Ancient Traditions for Protection of Environment.

Week2: National protection laws: Constitutional Provisions for Protection of Environment, Environmental legislation in India.

Week3: National protection laws: Environmental Protection Act, 1986, National Green Tribunal Act 2010, Green Bench, Child labour Act.

Week4: Biodiversity: Basic concepts, importance and conservation needs.

Week5: Biodiversity: IUCN red list categories, National parks, Biosphere reserves, Wildlife sanctuaries.

Week6: Biodiversity: India as a mega-diversity nation. Efforts to conserve biodiversity, government and non-government organizations.

Week7: Natural Disaster Management: Causes, effects and control measures of natural disasters, disaster preparedness – prevention and mitigation preparedness plan, community based planning, NDRF.

Week8: Role of mass media and society in disaster management.

Week9: Post disaster recovery measures: Rehabilitation, planning and construction, long term counter disaster planning.

Week10: Society and Environmental: Demography, Population explosion and effects on Environment.

Week11: Society and Environmental: Family Welfare Programmes, Role of individual, Self help groups.

Week12: Role of NGO's Social movements: Chipko, Appiko, Save Silent Valley, Narmada Bachao Andolan, Eco-feminism.

Week13: Role of NGO's Social movements: Environmental ethics (Ecocentric and Anthropocentric worldview).

Week14: Governmental Actions: Swacch Bharat Abhiyan, National Mission for Cleaning Ganga ( NMCG).

Week15: Revision

Week16: Revision

