

LESSON PLAN (2026-27)

Multidisciplinary Course for UG, Semester-I

Paper name: Environmental Science

Paper code: 23 EVSX01VA01

Teacher's name: Anju, Dr. Nidhi

August Week 2: Introduction to environmental studies, multidisciplinary nature of environmental studies, scope and importance
August Week 3: concept of sustainability and sustainable development, Introduction ecosystem :types and structure
August Week 4&5: Ecosystem - Characteristics features and structure and structure & function of following ecosystem- Forest Ecosystem
September Week 1: Characteristics of Desert and Grassland Ecosystem
Week 2: Characteristics of all aquatic ecosystems, Renewable and Non Renewable resources and associated problems
Week 3: Forest resource, water resource
Week 4: Mineral resource and food resource
Week 5: Energy and land resource
October Week 1: Role of individuals in conservation of natural resources and equitable use of resources for sustainable lifestyle and class test
Week 2: Unit 3 Biodiversity and its conservation: Definition, genetic , species and ecosystem biodiversity.
Bio geographical classification of India
Week 3: Values of biodiversity and various uses, biodiversity at global national and local level
Hot spots of biodiversity, threats to biodiversity and man wild conflicts, endangered species and endemic of India
Week 4 Conservation of biodiversity : In situ and Ex situ
Environmental pollution: Introduction, definition , types and causes

Week 5 / October Week 1 Effect and control measures of Environmental pollution: Air and Water pollution
November Week 1: Diwali break
Week 2 Marine pollution, Soil pollution
Week 3 Green house gases
Green house effect, Acid rain.
Week 4 Climate change and water conservation strategies
Week 5 Thermal pollution and Nuclear hazards
December
Week 1 Solid waste management
Disaster mangement
Week 2 Test and revision
LESSON PLAN (2026-27)
B.A., B.Com, BA English Hons., BA Hindi Hons., BA Economics, BA Psychology Hons.,
Semester-III
Paper name: Waste Management
Teacher's name: Anju, Dr. Nidhi, Sugandha

August Week 2
Unit 1: Introduction, Sources, Classification & Composition of Solid Wastes.
August Week 3
Types of solid waste, their sources of E-waste, classification and impacts.
August Week 4

Domestic waste, sources, classification, impacts, case studies and management
August Week 5
Classification, sources, types and composition of biomedical waste and impacts
September Week 1
Sources, types, classification of hazardous waste and it's impacts
September Week 2
Construction and demolition waste, plastic wastes, types, sources and impacts
September Week 3
Various waste minimisation technologies and recent techniques
September Week 4
Effects of all types of solid waste on plants, Animals and Human beings
October Week 1
Unit 2: Standards of Water Quality in Relation to Public Health- Introduction
Types of Water:Potable Water,Non-potable Water
October Week 2
Test of unit-1, Principal Forms of Water Pollutants and Their Sources and sewage
October Week 3
Sewage and Waste Water Treatment Systems in India, Assignment -1 topics discussion
October Week 4
Primary Treatment,Secondary Treatment, Tertiary and Advanced Treatment
October Week 5
Gobar Dhan Scheme (2018) and Introduction to unit-3, Solid Waste Management Methods and

Regulations
November Week 1
Diwali Break
November Week 2
Solid Waste Management Methods and Regulations
5Rs and Their Benefits:Refuse,Reduce, Reuse, Repurpose and Recycle
November Week 3
Test of unit-2 and Swachh Bharat Mission (2014)
Solid Waste Management Rules, 2016
November Week 4
Assignment-2 and Construction and Demolition Waste Management Rules, 2016
Week 5
E-Waste (Management) Rules, 2016
December Week 1
Bio-Medical Waste Management Rules, 2016, Test of topics of unit-3
December Week 2
Hazardous Waste Management & Handling Rules, 1989, Plastic Waste Management Rules, 2016. Assignment check, Revision and problem solving classes
LESSON PLAN (2026-27)
B.A.,B.Com,BA English Hons.,BA Hindi Hons., BA Economics, BA Psychology Hons.,

Semester-I
Paper name: Disaster Management
Teacher's name: Anju, Dr. Nidhi, Sugandha
August Week 2
Unit 1: Introduction to Disaster: Definition, difference between hazard and disaster, understanding natural and man made disasters,
August Week 3 & 4
Risk and vulnerability in disaster. Causes and phases of disaster, rapid onset and slow onset disaster, nature and responses to geo hazards
August Week 5
Reasons of disaster: population growth, urban expansion, pollution, epidemics , accidents, disaster profile of India.
September Week 1
Natural and anthropogenic disaster ; earthquake introduction and causes
September Week 2
Types and impacts of earthquake, flood introduction
September Week 3
Types and impact of floods, Landslides introduction
September Week 4
Responsible factors, causes and effects of landslides
October Week 1
Drought introduction, different types of droughts- meteorological, agricultural, hydrological and its effects
October ber Week 2

Test of unit-1, Cyclone and hurricanes
October Week 3
Tsunamis : reasons and its impacts, Assignment -1 topics discussion
October Week 4
CBRN : Introduction, Chemical and Biological disaster : causes and effects
October Week 5
Radiological and nuclear disasters : causes and effects ,Sociological hazards- crime, terrorism , war, Class Test
November Week 1
Diwali break
November Week 2
Disaster Preparedness and mitigation : Definition, Disaster management cycle of earthquake, floods, drought, prevention, preparation and mitigation
November Week 3
Disaster management cycle of landslides and cyclone: prevention, preparation and mitigation
November Week 4
Test of unit-2 and Disaster information,disaster response,
December Week 1
Assignment-2 and disaster rehabilitation, reconstruction and recovery
December Week 2
Role of National Disaster Management Authority (NDMA), Revision, Assessment Assignment and Class Test

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LESSON PLAN (2026-27)

Multidisciplinary Course for UG, Semester-I

Paper name: Environmental Science and Sustainability
BCA

Class: BBA and

Paper code: 25 CSAX01VA01

Teacher's name: Dr. Nidhi, Sugandha

August Week 2:
Fundamentals of Environmental concepts and their relevance to testing operations. Components and segments of the Environment, Man and Environmental relationship
August Week 3:
Concepts of sustainability, sustainable development and classification of natural resources
August Week 4:
Issues related to their overutilization and conservation. Different strategies for their conservation. Conservation and equitable use of resources, considering both intergenerational and Intra generational equity.
August Week 5:
Sustainable practices in managing resources including deforestation, water conservation, energy security and food security issues.
September
Week 1:
Importance of public awareness and education, Unit-2 Ecosystem, various natural Ecosystems
Week 2:
Structure and functions of Ecosystem
Week 3:
Ecological characteristics, Biodiversity- Importance, threats
Week 4:
Biodiversity conservation, Ecosystem resilience and homeostasis and carrying capacity, emphasizes need for sustainable ecosystem management
Week 5:
Natural reserves, significance of India as a mega diverse nation. Test-1

October
Week 1:
Pollution - Air,water,noise,soil and marine pollution.
Week 2:
Week 3:
Their impacts on business and communities, causes of pollution, Global climate change, ozone layer depletion and Impacts
Week 4
Green House effect and Acid rain, pollution episode
Week 5
Importance of adopting cleaner technologies, solid waste management. Natural and man made disasters
November Week 1: Diwali break
Week 2
Management of disasters, social issues- dynamic interactions between society and environment with focus on SD
Week 3
SDG goals. Various Environmental legislature for Environmental protection in India
Week 4
Air protection Act 1981, Environmental protection act 1986
Week 5
Water prevention and control Act,1974, Environmental justice: Resettlement and Rehabilitation of affected population.
December
Week 1
Ecological Economics, Human population and demographic changes in India
Week 2 Test and revision