

## Lesson Plan (2024-2025)

### Even Semester

Teacher Name: **Dr Kiran Bishnoi**

Subject: **Environmental Studies-I C24VAC101T (VAC)**

February 2025	The multidisciplinary nature of environmental studies, Definition, scope and importance, Need for public awareness.
March 2025	Ecosystems: Structure and function. Producers, consumers and decomposers. Energy flow in the ecosystem, Ecological succession · Food chains, food webs and ecological pyramids. <b>Assignment</b> <b>Unit Test</b>
April 2025	Biodiversity and its conservation: Introduction–Biogeographical classification of India; Value of biodiversity <b>Unit Test</b>
May 2025	India as a mega-diversity nation; Hot-spots of biodiversity; Threats to biodiversity: Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. <b>Revision</b>

## Lesson Plan (2024-2025)

### Even Semester

Teacher Name: **Dr Kiran Bishnoi**

Subject: **Disaster Management C24MDC230T (MDC)**

February 2025	Introduction to disaster: Definition, difference between hazard and disaster, understanding natural and manmade disasters, risk and vulnerability in disaster, reasons of disaster- population growth, urban expansion, pollution, epidemics, and accidents. Disaster profile of India.
March 2025	Natural disaster: Earthquake- causes, types and impacts; Floods- types and impacts; landslides- responsible factors, causes and effects; drought: different types of droughts- meteorological, agricultural, hydrological and effects; cyclone and hurricanes; tsunamis: reasons and its impacts. <b>Assignment</b> <b>Unit Test</b>
April 2025	Anthropogenic disaster: Types, causes and effects of: Technological hazards- Industrial hazards, Structural collapse, Power outage, Fire (building fire and forest fire), CBRN: Chemical disasters, biological disasters, Radiological disaster, Nuclear disasters, Sociological hazards- Crime, Terrorism, War. <b>Unit Test</b>
May 2025	Disaster Preparedness and mitigation: Definition, Disaster management cycle of earthquake, floods, drought, landslides and cyclone: prevention, preparation and mitigation, Disaster Information, Disaster Response: Disaster Rehabilitation, Reconstruction and Recovery. Role of National Disaster Management Authority (NDMA). <b>Revision</b>

## Lesson Plan (2024-2025)

### Even Semester

Teacher Name: **Dr Kiran Bishnoi**

Subject: **Food Waste and Byproduct Utilization C24SEC223T (SEC)**

February 2025	Introduction to Food Waste: Definition and types of food waste; Environmental impacts of food waste.
March 2025	Food Waste Management and Reduction: Source reduction strategies; Food donation and redistribution programs. <b>Assignment</b> <b>Unit Test</b>
April 2025	Applications of Food Waste By-Products; Animal feed and pet food production; <b>Unit Test</b>
May 2025	Composting and anaerobic digestion, Fertilizer and soil amendment production <b>Revision</b>