

Lesson Plan (2024-2025)

Odd Semester

Teacher Name: **DrKiranBishnoi**

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

August 2024	The multidisciplinary nature of environmental studies, Definition, scope and importance, Need for public awareness.
September 2024	Ecosystems: Structure and function. Producers, consumers and decomposers. Energy flow in the ecosystem, Ecological succession · Food chains, food webs and ecological pyramids.
October 2024	Biodiversity and its conservation: Introduction–Biogeographical classification of India; Value of biodiversity Assignment Unit Test
November 2024	India as a mega-diversity nation; Hot-spots of biodiversity; Threats to biodiversity: Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Unit Test Revision

Lesson Plan (2024-2025)

Odd Semester

Teacher Name: **DrKiranBishnoi**

Subject: **Environmental Issues in India C24MDC130T (MDC)**

August 2024	Significant global environmental issues: acid rain, climate change, biodiversity loss, ozone layer depletion, resource depletion and conservation, Sustainable development, International concerns and efforts for environmental protection: Stockholm Summit, Rio Summit.
September 2024	Regional Environmental Issues: Forest and Wildlife management, desertification, reclamation of degraded land; Human intervention on wetlands, siltation and eutrophication, reclamation of wetlands, Mining and Environment, Open cast mining, Deforestation and their impact on environment.
October 2024	Pollution: Air Pollution: Causes of air pollution, some important pollutants of air (CO, SOX, NOX and HC and Particulates) – their sources and effects on living and non-living organisms. Water Pollution: Sources of pollution of surface and ground water, Types of water pollutants. Assignment Unit Test
November 2024	Solid Waste – Sources, characterization, disposal and management. Soil Pollution: Sources, Pollution and residual toxicity from the application of insecticides, pesticides and fertilizers. Unit Test Revision

Lesson Plan (2024-2025)

Odd Semester

Teacher Name: **DrKiranBishnoi**

Subject: **Water Quality Analysis C24SEC123T (SEC)**

August 2024	Introduction: Physical, chemical, and biological properties of water, types of water sources, occurrence, and importance.
September 2024	Water sampling techniques. Drinking water quality standards as per Bureau of Indian Standards and WHO
October 2024	Physico-chemical and biological methods of water analysis: Theory and principles of physico-chemical parameters of Water analysis such as pH, color, odour, EC Assignment Unit Test
November 2024	Physico-chemical and biological methods of water analysis: Theory and principles of physico-chemical parameters of Water analysis such as Total Alkalinity and Total Hardness, Dissolved oxygen in water. Unit Test Revision