

ADVANCED INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Lesson Plan

Discipline : BBA
 Semester : III Sem
 Subject : Environmental Sciences
 Lesson Plan Duration : 14.07.2025 to 21.11.2025

Units	Theory		
	Lecture Day	Topic (Including Assignment Test)	Actual date
1	14.07.25	Environmental Pollution Health: Production processes and generation of waste.	
	15.07.25	Assimilative capacity of the environment	
	17.07.25	Definition of pollution; Point sources and non-point sources of pollution.	
	18.07.25	Air pollution: Source of air pollution; primary and secondary pollutants; Criteria pollutants carbon monoxide, lead, nitrogen oxides, ground level ozone.	
	21.07.25	Particulate matter and sulphur oxide; other important air pollutants- Volatile organic compounds, peroxyacetyl nitrate, Polycyclic aromatic hydrocarbons and persistent organic pollutants	
	22.07.25	Indoor air pollution: Adverse health impacts of air pollutants;	
	24.07.25	National Ambient Air Quality Standards.	
	25.07.25	Water pollution: Source of water pollution; River, lake and marine pollution	
	28.07.25	groundwater pollution; water quality, water quality parameters and standards; adverse health impacts of water pollution on human and aquatic life.	
	29.07.25	Soil pollution and solid wastes: Soil pollutants and their sources; Solid and hazardous waste, Impact on human health	

	31.07.25	Noise pollution: Definition of noise; Unit of measurement of noise; Sources of noise pollution. Noise standards; adverse impacts of noise pollution on human health and ecosystems.	
	1.08.25	Thermal and Radioactive pollution: Sources and impacts on human health and ecosystems.	
	4.08.25	Revision	
	5.08.25	Class test	
2	7.08.25	Climate Change: Impacts, Adaptation and Mitigation: Understanding climate change: Natural variability and climate change; Structure of atmosphere;	
	8.08.25	Sources of greenhouse gases (GHG); Anthropogenic emissions; Global climate change with special reference to India; Projected extents of climate change and associated impacts; events	
	11.08.25	importance of 1.5°C and 2.0°C limits to global warming. Climate variability and extremes for climate impact and adaptation point.	
	12.08.25	Impacts and vulnerability: adaptation to climate change: Observed impacts of climate change on ocean and land systems; Sea level rise; changes in animal species, marine and coastal ecosystems;	
	14.08.25	impacts on forests and agriculture; impacts on natural ecosystems; climate-resilient infrastructure development; Indigenous knowledge, adaptation measures;	
	18.08.25	Synergies between adaptation and mitigation measures; Renewable energy sources; Carbon capture and storage;	
	19.08.25	National climate/energy efficiency plan and Intended Nationally Determined Contributions (INDCs); Climate justice.	
	21.08.25	Revision	
	22.08.25	Class test	
3	25.08.25	Environmental Management: Introduction to environmental laws and regulation: Constitutional provisions- Article 48A, Article 51A (g) and other derived environmental rights.	
	26.08.25	Environmental legislations in India: The Wild Life (Protection) Act, 1972; The Water (Prevention and Control of Pollution) Act, 1974; The Forest (Conservation) Act, 1980; The Air (Prevention and Control of Pollution) Act, 1981; The Environment	

		(Protection) Act, 1986; The Biological Diversity Act, 2002;	
	28.08.25	The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006; Noise Pollution (Regulation and Control) Rules, 2000;	
	29.08.25	Industry-specific environmental standards; Waste management rules. Environmental management system: ISO 14001	
	1.09.25	Concept of Circular Economy, Life cycle analysis; Cost-benefit analysis, Environmental audit and impact assessment; Environmental risk assessment,	
	2.09.25	Pollution control and management; Waste Management-Concept of 3R (Reduce, Recycle and Reuse) and sustainability; Ecolabeling /Eco mark scheme.	
	9.09.25	Revision	
	18.09.25	Class test	
4	25.09.25	Environmental Treaties and Legislation An overview of the following national and international cooperation, agreements, conventions, protocols - adoption, signature, ratification and entry into force; binding and nonbinding measures; Conference of the Parties (COP)	
	3.10.25	A) Vienna Convention for the Protection of the Ozone Layer; Montreal Protocol on Substances that Deplete the Ozone Layer and the Kigali Amendment, status phase-out of production and consumption of Ozone Depleting Substances by India.	
	9.10.25	B) Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal; Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade; Stockholm Convention on Persistent Organic Pollutants; Minamata Convention on Mercury.	
	23.10.25	C) United Nations Framework Convention on Climate Change (UNFCCC); Kyoto Protocol; Paris Agreement; India's status as a party to major conventions.	
	30.10.25	D) National Green Tribunal; Some landmark Supreme Court judgements.	
	31.10.25	E) Major International organisations and initiatives: United Nations Environment Programme (UNEP), International Union for Conservation of Nature (IUCN), World Commission on Environment and Development	

		(WCED), United Nations Educational, Scientific and Cultural Organization (UNESCO)	
	3.11.25	Intergovernmental Panel on Climate Change (IPCC), and Man and the Biosphere (MAB) programme.	
	4.11.25	Revision	
	6.11.25	Class test	
5	7.11.25	<p>Casestudies/Field Work (6hrs)</p> <p>The students are expected to be engaged in some of the following or similar identified activities:</p> <p>a) Field visits to identify local/regional environmental issues, make observations including data collection and prepare a brief report.</p>	
	10.11.25	b) Discussion on national and one international case study related to the environment and sustainable development.	
	11.11.25	c) Campus environmental management activities such as solid waste disposal, water management and sanitation and sewage treatment plant.	
	13.11.25	Revision	
	14.11.25	Class test	