

Environment Syllabus for UPSC

Your Initial preparation for the [UPSC exam](#) must begin with a meticulous knowledge of the Environment Syllabus for UPSC. Have a look at the elaborated syllabus categorized in the table below.

Topics	Sub-Topics
Environment and Ecology	Basic Understandings: Properties, Components of Ecosystem Levels of Organism; Categories, Components, and Features of Environment; Biotic and Abiotic Factors
	Biogeochemical Cycles: Nutrient Cycle; Sedimentary Cycle; Gaseous Cycle
	Types of Ecosystems: Ecosystem Conservation; Changes in the Ecosystem; Terrestrial Ecosystem, Aquatic Ecosystem
	Pollution: Air pollution , Noise Pollution, Plastics Pollution, Radioactive Pollution, Soil Pollution , Thermal Pollution, Water pollution
	Land Degradation: Soil Conservation , Problems due to Excessive Irrigation, Soil Erosion; Sustainable Land Management, Desertification; Causes and Impact of Land Degradation

	<p>Waste Management:</p> <p>Biomedical Waste; e-waste Management; Hazardous Waste; Solid Waste Management</p>
	<p>Environmental Impact Assessment</p> <p>Need for EIA, EIA Cycle and procedure</p>
<p>Biodiversity</p>	<p>Basic Understandings:</p> <p>Loss of Biodiversity and its causes; Levels of Biodiversity, Importance of Biodiversity, Measurement of Biodiversity</p> <hr/> <p>Biodiversity Conservation:</p> <p>Conservation Tools; Conservation Strategies; Ecologically Sensitive Areas (ESAs); In-situ methods, Ex-situ Methods; IUCN and IUCN Red List</p> <hr/> <p>Indian Biodiversity:</p> <p>Flora and Fauna Diversity, Indian Wildlife; Indian Bio-Geographical Classification</p> <hr/> <p>Threatened Species of India:</p> <p>Critically Endangered Species of India; IUCN Red Data Book Categories</p> <hr/> <p>Other Biodiversity-Related Topics:</p> <p>Biodiversity Conservation Efforts in India;</p>

	<p>Biodiversity Laws, Policies, and Programmes;</p> <p>Biodiversity Convention and Protocols</p>
Climate Change	<p>Basic Understandings:</p> <p>GreenHouse Gases and Green House Effects;</p> <p>Global warming and its Potential;</p> <p>Ozone depletion;</p> <p>Ocean Acidification</p>
	<p>India and Climate Change:</p> <p>Mitigation Strategies;</p> <p>Climate Change in India</p>
	<p>Climate Change Organizations:</p> <p>Intergovernmental Panel on Climate Change;</p> <p>UNFCCC and its mechanism;</p> <p>Kyoto Protocol (2nd Commitment);</p> <p>IPCC Reports;</p> <p>Conference of Parties</p>
Other Related Topics	<p>Different Environmental Institutions and their measures;</p> <p>Environmental Organizations;</p> <p>Environment Issues and health effects;</p> <p>International Organizations and Conventions;</p> <p>Important Acts and Policies</p>