

Unit No	Topics
1.	<p>Introduction to environment, Ecology and Ecosystem Definitalon and inter-relationships amongst and between them, components of environment, Relationship between different components, Man- Environment relationship, Impact of Technology on the environment, Environment education, Environment degradation</p>
2.	<p>Ecology & Ecosystem Introduction : Ecology – objectives & classification Concept of an ecosystem – structure & function of ecosystem Component of ecosystem – Producers , Consumers , Decomposer Bio-Geo chemical cycle – Hydrological cycle, Carbon cycle, Oxygen cycle, Nitrogen cycle, Sulfur cycle, Phosphorus cycle Energy flow in ecosystem Food chain , Food web Ecological Pyramid Major Ecosystem : Forest ecosystem , Grassland ecosystem, Desert ecosystem, Aqualic ecosystem, Estuarine ecosystem</p>
3.	<p>Population & Natural Resources Population: Development of habitation patterns and environmental factor governing human settlement, Causes of overpopulation Natural Resources : Renewable & Non renewable resources : Renewable Resources, Non renewable resources, destruction v/s conservation Water resources: surface & ground water resources, use & overuse of water resources, problem due to overexploitation of water resources Forest resources : Importance of forest use of forest products, forest types, deforestation ,forest degradation in India Energy resources: conventional energy resources & its problem, non conventional energy resources, problem due to to over exploitation of energy resources. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity</p>
4.	<p>Environmental Pollution</p>

Types of environmental pollution

Water pollution : Introduction, water quality standards, sources of water pollution, classification of water pollutants, effects of water pollutants, eutrophication

Air Pollution: Composition of air, structure of atmosphere, Ambient Air quality standards, classification of air pollutants, sources of common air pollutants like SPM, SO₂, NO_x

Land & Noise Pollution: Introduction, Lithosphere, Land use, Causes of land degradation, sources of noise pollution, effects of noise pollution

5. Social Issues

global issues: global warming, acid rain, ozone layer depletion, nuclear accident