

GENERAL FOUNDATION COURSE: UG

(to be implemented from July 2017)

Code and No	Courses	Credits	Marks
HUR-UG-F105	Environmental Studies	4	100

ENV-UG-F105: Environmental Studies

Unit I: Environment and Ecosystem

Introduction, Importance and Scope of Environmental Studies
Components of Environment; Atmosphere, Hydrosphere, Lithosphere and Biosphere
Ecosystems: Concept, Structure and Function of an Ecosystem; Energy Flow, Food Chains, Food Webs, Ecological Pyramids, Ecological Niche and Keystone Species.

Unit II: Resources and Conservation

Introduction and Classification of Resources
Problems Associated with Resources and Conservation; Forest resources, Water Resources, Energy Resources, Land Resources
Biodiversity: Introduction, Issues and Conservation

Unit III: Environmental Pollution and Issues

Introduction to Environmental Pollution
Causes, Effects and Control Measures of: Air Pollution, Water Pollution, Soil Pollution, Noise Pollution, Nuclear Pollution
Environmental Issues; Climate Change, Global Warming, Acid Rain, Ozone Layer Depletion etc.
Firecracker and Associated Issues

Unit IV: Human and Environment

Human-Environment Relationship, Sustainable Development: Concept and Issues
Role of Information Technology in Environmental Management
Solid Waste Management
Environmental Refugees
Environmental Ethics: Issues and possible solutions