

## **M.Sc. Environmental Science**

### **Semester-I**

## **ENVIRONMENTAL ISSUES AND AWARENESS**

### **UNIT- I**

Environmental awareness: Introduction and need, role of media in environmental awareness, Role of NGOs, public participation in environmental movements, role of Government, role of Educational Institutes.

### **UNIT-II**

Current environmental issues, Role International environmental initiatives, Stockholm Declaration, Ramsar convention on wetlands, Outer space treaty, Vienna convention & Montreal Protocol, Kyoto Protocol, Earth Summit, Agenda 21, UNF Convention on Climate Change (UNFCCC).

### **UNIT-III**

Case Studies: Ganga Action Plan, Yamuna Action plan, Love Canal Incidence, Teri Dam, Sardar Sarovar Dam, Chipko movement, Appiko Movement, Global warming, Asian Brown Cloud, Photo-chemical smog, Acid rain, Bhopal gas tragedy, Chernobyl nuclear accident, Minamata accident, Leaded gasoline, Sukinda Valley, Space waste.

### **UNIT-IV**

Introduction to Environmental ethics, ethical theories, Environmental ethics and population, environmental ethics and pollution, animal ethics, biocentrism, ecocentrism, Environment and Poverty, Environmental Education, Concept of Sustainable Development.