UNIT-I

UNIT-II
Natural resources: – Renewable and non-renewable resources, natural resources and associated problems:
(a) Forest resource: Use and over-exploitation, deformation and case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
(b) Water resources: Use and over-utilization of surface and ground water, flood, drought, conflicts over water, dams-benefit and problem.
(c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.
(d) Food resources: World food problems, changes caused by agriculture and over-grazing, effects of modern agriculture, fertilizer-pesticide problem, water logging, salinity.
(e) Land resource: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

UNIT-III
Ecosystems: – Concept, structure and function of an ecosystem; energy flow in the ecosystem; ecological succession; food chains, food webs and ecological pyramids; types of ecosystem – forest ecosystem, grassland ecosystem, aquatic ecosystems.

SECTION-B

UNIT-IV
Environmental Pollution: – Definition, cause, effects and control measures of different types of pollutions – air pollution, water pollution, soil pollution, marine pollution, noise pollution, thermal pollution, nuclear hazards; solid waste management- causes, effects and control measures of urban and industrial wastes; role of an individual in prevention of pollution.

UNIT-V
**Social issues and environment:** Urban problems related to energy, water conservation, rain water harvesting, resettlement and rehabilitation of people and its problems; global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.

**UNIT-VI**

**Human population and environment:** Population growth, variation among nation, population explosion - family welfare programme, environment and human health, Human rights, HIV/AIDS, woman and child welfare.

**SUGGESTED READINGS:**
1. Rajagopalan R, Environmental Studies, Oxford University Press, New Delhi