

Environmental Pollution

GE/THY 6P

Unit -I :

Introduction, Pollutants,

Air pollution: sources of air pollution, Primary and secondary air pollutants. Origin and effects of SO_x, NO_x, CO_x, CFC, Hydrocarbon, Photochemical smog, heavy metals, particulates, control of air pollution.

Unit -II :

Water pollution: sources and types of water pollution, Effects of water pollution, Eutrophication, A brief idea of marine and ground water pollution

Unit -III:

Soil pollution: Causes of soil pollution Effects of soil pollution Pesticides in soil environment and their effects Biological magnification, pollution through mining

Unit -IV:

Sound pollution: Sources and effects of noise pollution, noise standards.

Radio active pollution, Thermal pollution

Suggested Reading:

1. Rao M.N. and H.V.N. Rao, 1989 : Air Pollution, Tata McGraw Hill Publishing Co. Ltd., New Delhi
2. Tyler Miller Jr. G. 1990. Living in the Environment. Wadsworth Publishing Company, Belmont California.
3. Odum, E.P., 1983, Basic Ecology. Halt Saundurs, International Edition Japan.
4. De, A.K. 1990, Environmental Chemistry, Wiley Eastern Ltd., New Delhi.
5. Singh J.S., Singh S.P. and Gupta S.R., 2006, Ecology Environment and Resource Conservation, Anamaya Publishers, New Delhi.
6. Sodhi G.S. 2005, Fundamentals of Environmental Chemistry : Narosa Publishing House, New Delhi.