

MCA 507C ENVIRONMENTAL ENGINEERING

Module-I: Definition, Scope and importance, Need for public awareness, Natural Resources and associated problems, Conservation of natural resources, Equitable use of resources for sustainable lifestyles.

Module-II: Ecosystem; Concept, structure and function, energy flow in ecosystem, ecological succession, Food chain, food webs, ecological pyramids; forest ecosystem, Grass land ecosystem, desert ecosystem, aquatic ecosystem. Biodiversity and its conservation

Module III: Environmental pollution: Definition, Causes and effects and control, Role of individual in prevention of pollution, Disaster management.

Module IV: Social issues of the environment, Issues involved in enforcement of environmental legislations. Public awareness, Human population and the environment, environmental reengineering.

Suggested readings:

1. Environmental Studies, Basak