

M.Sc. Environmental Science
Semester-I
FUNDAMENTAL OF ENVIRONMENTAL
SCIENCE

UNIT-I:

Definition, principles and scope of Environmental Science. Physico-chemical and Biological factors in the Environment. Structure and composition of atmosphere, Structure and composition of hydrosphere, lithosphere and evolution of biosphere.

UNIT-II:

Introduction to energy, laws governing energy flow in ecosystem, importance of energy in human life, energy production (renewable and non-renewable) and its implications on the environment, role of energy in development of nation.

UNIT-III:

Earth, Man and Environment. Ecosystems and its types, Pathways in Ecosystems, Geographical classification and zones. Environmental implication of energy uses, CO₂ emissions, global warming, air and thermal pollution.

UNIT-IV:

Brief introduction to Natural resources their importance and conservation, Environmental issues: local and global scales, Environmental Education: Introduction, principles and scope, Environmental ethics.