

**Course-Code   EDFC – 145**  
**SEMESTER- I**  
**Environmental Studies**

**OBJECTIVES :**

At the end of the course the student teacher will

1. understand the concept of environment and ecology.
1. understand the nature and scope of Environmental Education.
2. understand the causes of Environmental Degradation.
3. apply the remedial ways to protect the environment in daily life.
4. understand the need for conservation of natural resources.
5. acquire knowledge of population growth and its impact on environment.
6. acquire knowledge about the technological system.
7. acquire the knowledge of tools and techniques for the evaluation of environmental education.

**Unit –I BASIC CONCEPTS & ENVIRONMENTAL HAZARDS**

- Concept of Environment and Environmental Science - History of Ecology - Ecology and Economic Development - Socio-Economic Impacts of Degradation of Environment and Importance of Environmental Education - Nature and Scope of Environmental Education - Guiding Principles of Environmental Education and Major Constraints for its Implementation at School Level.
- Environmental Pollution : Physical and Chemical : Land, Air, Water, Noise, Radiation - Extinction of Flora and Fauna, Deforestation, Soil erosion - Need for Management of Environment, Protection of the Environmental Heritage - Ways of Protecting, Preserving and Restoring the Environment .

**Unit-II . CURRICULUM AND METHODS IN ENVIRONMENTAL EDUCATION**

Dimensions of Curriculum in Environmental Education - Natural resources (forests - Development, wild-life, fisheries biodiversity) - Human Ecology : Human beings as part of environment, human adaptations to environment - population and its effect on environment - Science and Technology : Industrial growth and technological inventions and their impact on the environment- degradation of resources .

Methods - discussion, seminar, workshop, dialogues, problem-solving, field surveys, projects, exhibitions, role of media - print, films, T.V

**Unit-III SUSTAINABLE DEVELOPMENT**

Definition and Dimensions - Depletion of Natural Resources - Symptoms of Non-Sustainability - Conditions for achieving the Goals of Sustainable Development