

**ELECTIVE PAPER**  
**ENVIRONMENTAL EDUCATION**  
**FIRST YEAR / SEMESTER II**

**OBJECTIVES**

At the end of the course the student teacher will be able to

- define the concept of Environment and Ecology.
- comprehend the nature and scope of Environmental Education.
- list the causes of Environmental Degradation.
- apply the remedial ways to protect the Environment in daily life.
- explain the need for Conservation of Natural resources.
- acquire knowledge about Population Explosion and its impact on Environment.
- acquire the knowledge about the tools and techniques used to evaluate Environmental Education.

**UNIT I - OBJECTIVES, SCOPE AND NATURE OF ENVIRONMENTAL EDUCATION (15 HOURS)**

Meaning, Definition and Characteristics of Environmental Education – Content - Importance, Objectives, Scope and Guiding Principles of Environmental Education - Adverse Socio – Economic Impacts of Degradation of Environment.

**Activity:** Collection of pictures on the impacts of degradation of Environment.

**UNIT II - ENVIRONMENTAL HAZARDS (15 HOURS)**

Environmental Pollution: Physical and Chemical : Land, Air, Water, Noise, Radiation – Extinction of Flora and Fauna, Deforestation, Soil Erosion – Need for Management of the Environment, Protection of the Environmental Heritage – Ways of Protecting, Preserving and Restoring the Environment.

**Activity:** Power point preparation on the ill effects of environmental pollution and its remedial measures.

### **UNIT III - ENVIRONMENTAL MANAGEMENT AND INTERNATIONAL**

#### **EFFORTS FOR ENVIRONMENTAL PROTECTION (15 HOURS)**

Need For Environmental Management – Function and Characteristics of Environmental Management – Dimensions of Environmental Management. Factors Responsible for Flora and Fauna Extinction – Measures to Conserve Flora and Fauna - Causes for Forest Fire- Measures of Prevention - The Stockholm Conference 1972 – Brundtland Commission 1983 – Nairobi Conference 1982 – The Rio Summit 1992 – The Rio Declaration at the Earth Charter – Major Achievements of the Rio Summit – Main Features of the Rio Declaration – Kyoto Conference 1997.

**Activity :** Group discussion about various conferences

### **UNIT IV - ENVIRONMENTAL MOVEMENTS AND DEVELOPMENTS**

**(15 HOURS)**

Environmental Movements in India: Silent Valley Movement, Chipko Movement, Narmada Bachao, Andolon, National Test Range at Baliupal, Orissa – Conditions for Achieving the Goals of Sustainable Development – Strategies for Sustainable Development in India.

**Activity:** Preparing flip book for any three Environmental movements.

### **UNIT V - ENVIRONMENTAL EDUCATION IN THE SCHOOL CURRICULUM**

**(15 HOURS)**

Environmental Education at Primary, Secondary and Higher Education Level – Major Constraints for its Implementation at these Levels - Teacher's Role – National Resource Center for Environmental Education.

**Activity:** Preparing environmental activities for different levels (any two)

### **REFERENCES**

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- ❖ Chanda S. K. Environmental Degradation in India, (1996) Jammu, Vinod Pub. & Dist. Pacca Danga
- ❖ Kelu, P (2000) Environmental Education – A Conceptual Analysis Calicut: Calicut University.
- ❖ Palmer Joy and Philip Neal (1994) The handbook of Environmental Education: London, New Fetter Lane.
- ❖ Purushotham Reddy, K. and Narasimha Reddy, D (2001) Environmental Education Hyderabad : Neelkamal Publications.
- ❖ Saxena, A.R. Environmental Education, Agra: Bhargava Book, House. New Delhi.
- ❖ Sharma, A.G. (1986) Environmental Education, New Delhi: Metropolitan Book Co. Pvt. Ltd.
- ❖ Singh, Man Mohan & Rao (1980) Measures of Environmental Awareness, L.S.Prahalada, Ahmedabad.