

OPTIONAL COURSE: ENVIRONMENTAL EDUCATION

Course objectives:

At the end of the course, the student- teachers will be able to:

1. Realize the importance of environmental education.
2. List out the natural resources and its associated problems.
3. Appreciate the international initiatives to protect the environment
4. Realize the importance of management and protection environment.
5. Develop curriculum for environmental education.

UNIT I Environmental education

Concept and meaning of Environment- Focal aspects of Environmental education- Goals and Objectives of Environmental Education- Need and importance of Environmental Education- Core Themes of Environmental education – Scope of Environmental Education.

Suggested instructional approaches/ methods:

Teacher talk on need and importance of environmental education.

Seminar on focal aspects and functions of environmental education.

UNIT II Natural resources, problems and solutions

Natural Resources: Land Resources, Prevention of Soil Erosion- Forest Resources, Prevention of Deforestation- Water Resources, Prevention of Water Scarcity- Mineral Resources, Prevention of Exploitation of Minerals- Food Resources, Food Crisis and Increasing Food Production- Energy Resources – Alternative Energy Resources.

Suggested instructional approaches/ methods:

Discussion on Land resources, Forest resources and water resources.

Seminar on Mineral and Energy resources.

UNIT III International efforts for environmental protection

Environmental Issues and Global community: Stockholm Conference (1972) – Brundtland Commission (1983)- The Earth Summit or Rio Conference (1992)- Kyoto Conference (1997) – Copenhagen UN Climate Change Conference (2009) – Doha Climate Change Conference (2012).

Suggested instructional approaches/ methods:

Talk by experts on the efforts for environmental protection by international communities.

Seminar on the outcomes of Environmental Conferences.

UNIT IV Management and protection of environment

Environmental Management: Need, Dimensions, Approaches- Impact of Human Activities on Environment- International NGOs and Environmental Protection: Environmental Foundation for Africa, World Wide Fund for Nature, Conservation International, Green Peace- International Union for Conservation of Nature (IUCN)- Environmental Protection Strategies initiated in India: National Green Tribunal- Central and State Pollution Control Board.

Suggested instructional approaches/ methods:

Discussion on Need, dimensions and approaches to environment management.

Seminar on Environmental protection initiatives in India.

UNIT V Environmental Education in School Curriculum

Status of Environmental Education in School curriculum- Environmental Education at different levels of school Education- Innovative Methods of Teaching Environmental Education- Problems in Teaching Environmental Education- Role of UNEP, CEE and RT in Promoting Environmental Education.

Suggested instructional approaches/ methods:

Seminar on role of different agencies in promoting environmental education.

Seminar on innovative methods of teaching environmental education.

Task and Assignments:

1. Prepare a study report on clean and safe environment of your locality.
2. Prepare a study report on reducing the effects of pollution in our village/ community.