

Certificate Course (2020-2021)

Name of the Certificate Course	Total Hours
Certificate Course in Environmental Studies	30

Learning Objectives:

1. To understand the basic concepts related to environment and ecology
2. To enable the students to learn the importance of preservation of nature
3. To develop an attitude among the students to act dynamically during the occasion of environmental problems.

Course Outcomes: students would be able to:

1. Understand the concept of environment and importance of preservation of environment.
2. Develop an attitude to protect the natural resources of the country.
3. Assess the dynamic role of environmental movements in India

Module I: Environment and Ecology

Concepts of Environment and Ecology- Interdisciplinary approaches in Environmental studies- UN and Environment-Stockholm Declaration- Earth Summits- Climate change and protocols.

Module II : Environment and British Colonialism in India

Colonial Encounters with Environment- Colonial exploitation of natural resources - deforestation ship building - Railways - Opening of plantations- Reservation of forests and Forest Acts- botanical gardens - Resistance by peasants and Tribal peoples

Module III : Encounters with Environment

Encounters with Environment after Independence- Human-wild life encounters- Dams - Displacement - threat to biodiversity- Green revolution - Industrialization - Types of pollution - Environmental Movements

Essential Readings:

1. Erach Bharucha, Textbook of Environmental Studies
2. Madhav Gadgil & Ramachandra Guha, This Fissured Land: An Ecological History of India
3. Ramachandra Guha Environmentalism- A Global history age
4. Samir Dasgupta, Understanding the Global Environment.
5. S.N. Chary, Environmental Studies.
6. Agrawal et.al, A Textbook of Environment.
7. Kiran B. Chhokar, Understanding Environment.
8. S.P. Misra, et.al., Essential Environmental Studies.
9. Stebbing E.P The Forest of India, Vol. 11.
10. Sangreya, K.P, Forests and Forestry.
11. Ribbentrop. B, Forestry in British India.
12. Vandana Shiva, Staying Alive: Women, Ecology and Development.
13. Donald Worster, (Ed.) The Ends of the Earth: Perspectives of Modern Environmental History
14. Amita Baviskar, In the Belly of the River: Tribal Conflicts over Development in the Narmada Valley.
15. S. Fernandez and Kulkarni (Ed), Towards a New Forest Policy: Peoples Rights and Environmental Needs.