

CLUSTER UNIVERSITY OF JAMMU

SYLLABUS – SEMESTER – 2nd – B.Ed.

(CORE COURSE - THEORY)

(EXAMINATION TO BE HELD IN 2024, 2025 AND 2026)

TITLE: ENVIRONMENTAL EDUCATION

COURSE CODE: 5ENETC0203

CREDITS: 04

DURATION OF EXAMINATION

TOTAL: 100 Marks

MINOR TEST: 01 Hour

MINOR TEST: 40 Marks

MAJOR TEST: 03 Hours

MAJOR TEST: 60 Marks

Objectives:

- To understand about the concept of Environmental Education.
- To help pupil teachers acquire and awareness of and sensitivity to the total environment and its associated problem.
- To build up a sense of responsibility towards conservation of environment, biodiversity and sustainable development.
- To help pupil teachers acquire the skills for identifying and solving environmental problems.

Unit-I:

- 1.1 Environmental Education – meaning, scope, objectives & importance.
- 1.2 Approaches of teaching Environmental Education:
Interdisciplinary and Multidisciplinary approach.
- 1.3 Evolution and Development of Environmental Education.

Unit-II:

- 2.1 Definition, causes, consequences and remedies of
a) Air Pollution

- b) Water Pollution and
- c) Soil Pollution.
- 2.2 Climate change – Ozone Layer Depletion, Global Warming and Acid Rain.
- 2.3 Need of integrating Climate change in Environmental Education.

Unit-III:

- 3.1 Definition, levels and values of Biodiversity.
- 3.2 Causes of Biodiversity loss and conservation of Biodiversity (in-situ and ex-situ conservation)
- 3.3 Protected Area Network of India with special reference to Jammu & Kashmir.

Unit-IV:

- 4.1 Salient features of Environmental awareness through education: Programmes of Environmental Education for Secondary School Children.
- 4.2 (a) Environmental Ethics and Values
(b) Environmental Movements in India: Bishnoi, Chipko and Appiko movement.
- 4.3 Role of School in Environmental Conservation and Sustainable Development.

Unit-V:

- 5.1 International Programmes for Biodiversity Conservation: Convention on Biological Diversity (CBD), CITES, Ramsar Convention on Wetlands.
- 5.2 Stockholm Conference (1972), Earth Summit (1992), IUCN
- 5.3 Modern Environmental Crusaders: Sh. M.C. Mehta (the Green Advocate), Sh Rajinder Singh (the Water Man) and Padam Shri Tulsi Gowda (Encyclopedia of Forest).

Sessional Work: A candidate is required to undertake following activities and submit a detailed report thereof:

1. Visit to a local area to prepare an inventory of local plant and animal species.
2. Visit to a local polluted site – Urban/Rural/Industrial/Agricultural.
3. Prepare a collage related to Environmental problems and their mitigation.

The students should also be encouraged to celebrate important Environmental days and participate in the public lectures/seminars/workshops etc. on environmental issues. The students have to prepare practical notebooks in respect of sessional activities.

Books Recommended:

1. Sharma, R.C., Mahajan, B., Premi, K.K., Nuna, S.C., Menon, P. (1994). Source Book on Environmental Education for Elementary Teacher Educators, NIEPA, New Delhi.
2. Ramakrishnan, P.S. (2001). Ecology and Sustainable Development, National Book Trust, New Delhi.
3. NCERT (1980), Environmental Studies: Teachers Guide, New Delhi.
4. Sharma, P.D. (2009), Ecology and Environment. Rastogi Publications, New Delhi.
5. Kohli, V.K. and Kohli, V (2000): Environmental Pollution and Management. Vivek Publishers, Ambala.
6. Sharma, V.S. (2005). Environmental Education. New Delhi: Anmol Publications.
7. Kumar, A (2009). A Textbook of Environmental Science. New Delhi: APH Publishing cooperation.
8. UNICEF (Child Friendly Schools Manual), Climate Change and Environmental Education.