

B.Ed. Two Year Programme

E.5: Environment Education

Maximum Marks: 100

Objectives

- To make student-teachers aware of the concept of environment and development.
- To enable future teachers to understand the conflicts and inequalities that result from the complex interaction of social and environmental factors.
- To encourage inquiry into the role that teachers can play in dealing with curricular areas that focus on environment.

Unit 1: Concept of Environment

- Meaning of the term Environment and its relation to human beings;
- Critical examination of its historical and conceptual antecedents;
- Assessing the state of the environment;
- Study of environmental concerns including perspectives from both social and natural sciences;
- The emergent inter-disciplinary perspective

Unit 2: Understanding Development in the context of Environment

- Notion of Development as continued social, political and economic progress; Significance of 'well-being' of the global community
- Addressing the real and complex issues of Development; Their relationship to the natural and social systems
- Issues of sustainable development; Need for and challenges to sustainable development; Study of alternative approaches to sustainable development

Unit 3: Educational Issues and Challenges

- Study of policy documents pertaining to environment; Policy Formulation and Analysis vis-à-vis development concerns
- Significance and scope of environmental issues at the global, national & local levels in school curriculum
- Role of teachers; Development of skills and abilities to deal with curricular areas related to environment in the classroom

Practicum

- Analysis of relevant documents depicting voices of concern for environment
- Analysis of case-studies from different contexts and settings symbolising traditions and attitudes to environment.
- Project-work- Dealing with any one topic related to issues of environment in the school curriculum

List of Readings

- Agarwal, A et. al. (ed.) (2001). *Green Politics : Global Environment Negotiations*. New Delhi: Centre for Science and Environment
- Agarwal, A. & Narain S. (1991). *The State of India's Environment – The Third Citizen's Report*. New Delhi: Centre for Science and Environment.
- Agenda 21, UN Conference on Environment and Development (The Earth Summit)(1991). In Palmer, J. and Neel, P. (Ed.). *The Handbook of Environmental Education*, London: Routledge.
- Alkazi, F., Jain, O. and Ramdas, K. (2001). *Exploring our Environment– Discovering the Urban Reality*. New Delhi: Orient Longman
- CEE (1986). *Joy of Learning, Handbook of Environmental Educational Activities*. Ahmadabad: Centre for Environment Education
- Centre for Environmental Education (1997). *The Green Teacher: Ideas, Experience and Learning*. In *Educating for the Environment*. Ahmadabad: CEE.
- Driver R. Guesne, E. & Tiberghien, A. (1985). *Children's Ideas in Science*. U.K.: Open University Press
- Harvey, B. & Hallet, J. (1977). *Environment and Society–An Introduction and Analysis*. London: Macmillan Press.
- Kumar, D. K. Chubin, D. (2000). *Science, Technology and Society : A source book on research and practice*. London: Kluwer Academic Publication
- Kumar, Krishna (1996). *Learning from Conflict*. New Delhi: Orient Longman.
- NCERT (2006). *Position paper on Habitat & Learning*. New Delhi: National Council for Educational Research and Training.
- Pedretti, E. (2003). *Teaching Science, Technology, Society and Environment (STSE) Education*. In *The Role of Moral Reasoning on Socio-scientific Issues and Discourse in Science Education*. Science and Technology Education. Vol. 19, 219-239.
- Raghunathan, Meena & Pandey, Mamta (Eds) (1999). *The Green Reader: An Introduction to Environmental Concerns & Issues*. Ahmadabad: Centre for Environment Education
- Scruse, T. J. (1993). *Image, Ideology and Inequality*. New Delhi: Sage Publication
- UNEP (2013). *Emerging issues in our global environment (year book)*. United Nations Environment Programme.
- UNESCO – UNEP (1980). *Environment Education: What, Why, How . . .* Paris: International Education Series.
- UNESCO-UNEP (1990). *Basic Concepts in Environmental Education*. In *Environment Education Newsletter*. Paris: UNESCO
- VidyaBhawan Society (1995). *Report of the Seminar on Environmental studies (23rd-25th November, 1995)*. Udaipur

Yencker, D., Fier, J. & Sykes, H. (2000). Environment Education and Society in the Asia– Pacific. London & New York: Routledge Publication.

मिश्र, अनुपम (1985). दे ा का पर्यावरण. नई दिल्ली : गाँधी प्रतिष्ठान।

मिश्र, अनुपम (1993). आजभी खरे है तालाब. नई दिल्ली : गाँधीप्रतिष्ठान।

Reports and Journals for study

- Journal “Terra Green” by TERI, India.
- Journal of Environmental Sciences, Elsevier