

Course: M.A. Education

Semester	III
Paper Number	MAEDCR302
Paper Title	Population And Environmental Education
No. of Credits	6
No. of periods assigned per week	Theory: Six
Course description / objective and outcome	<p>The students will be able to:</p> <ol style="list-style-type: none">1. Understand the concept of population and environmental education.2. Explain the objectives and methods of teaching environmental and population education.3. Develop awareness on population and quality of life, environmental education policies.4. Analyse the various issues related to population and its distribution and environmental education.5. Understand the values and approaches for environmental protection and degradation.6. Develop and acquire skills for identifying environmental problems.
Syllabus	<p>Module 1: (40 marks)</p> <p>Unit-I: Nature & Scope of Population Education</p> <ul style="list-style-type: none">○ Meaning, Concept, Need & Importance of Population Education○ Objectives of Population Education <p>Population Situation & Dynamics</p> <ul style="list-style-type: none">○ Distribution & Density○ Population Composition- <i>age, sex, rural/urban</i>○ World & Indian Factors affecting population growth○ Mortality, Migration & Other Implications

Unit-II:**Population and Quality of Life**

- Population in relation to socio-economic development
- Health Status and Health Service
- Nutrition, Environment, Resource, Educational Provision

Family Life Education

- Concept of Family
- Family Roles & Responsibilities
- Family Needs & Resource
- Responsible Parenthood
- Life Values & Beliefs

Population Related Policies & Programs

- Population policy in relation to health -environment education policy
- Programs related to employment- social movement
- Voluntary & International Agencies UNFPA, UNESCO, WHO

Module 2: (40 marks)**Unit III:****Introduction to Environmental Education**

- Meaning, Importance & Scope
- Aims & Objectives
- Guiding Principles & Foundations
- Significance of Environmental Education for Sustainable Development

Environmental Concepts

- Concept of Environment & Ecosystem
- Man Made Disasters: Population Growth, technological system-industrial growth, scientific & technological inventions & their impact on the environmental system
- Natural Disaster
- Environmental Awareness & Attitude Change

Unit IV:**Environmental Degradation**

- Environmental Pollution: Air, Water, Soil
- Extinction of flora & fauna, deforestation, soil erosion
- Global environmental Issues: Ozone Layer Depletion, Green House Effect, Acid Rain
- Need for conservation, preservation & protection of rich environmental heritage

Approaches & Methods of Environmental Education

	<ul style="list-style-type: none"> • Approaches to Environmental Education: Interdisciplinary & Multidisciplinary • Methods: Discussion, Seminar, Workshop, Problem solving & Field Survey • Features of curriculum for environmental education • Programs for environmental education for primary, secondary & higher education
Texts / References	<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner. 2. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p 3. Gleick, H.P. 1993. Water in crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p 4. Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R) 5. Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284p. 6. Asha Bhende and Tara Kanitkar- Principles of Population Studies, Himalaya Publications. 7. Pathak, K.B. and F. Ram- Techniques of Demographic Analysis, 2nd Edition, Hiamalaya Publications 8. Desai, A.R.- Rural Sociology in India 9. Kulkarni, Sumati- Inter-relationship between Population and Socio-Economic Development: Present Condition and Future Scenario., K. Srinivasan (ed.) Population Policy and Reproductive Health, Hindustan Publishing Corpn., New Delhi. 10. Davis, Kingsley and M.H. Bernstam- Resources, Environment and Population, Oxford University Press, New York. 11. Ramanna, D.V.- An Overview of Environment and Development: Asia and the pacific UNAPDI Publication, Bangkok. United Nations Development Porgramme, Human Development Report-2000, Oxfiord University Press, New Delhi.
Evaluation	<p>CIA- 20 marks End Sem Exam- 80 marks</p>