

SARDAR PATEL UNIVERSITY
Programme & Subject: Bachelor of Education (Advanced)
Semester: I
Syllabus with Effect from: June-2010

Paper Code: UE01CBEA07	Total Credit: 3
Title Of Paper: Methodology of Teaching Environmental Education	

Unit	Description in Detail	Weightage (%)
I	Concept of Environmental Education Place of Environmental Education in curriculum and life Meaning and nature of Environmental Education Creating awareness about the environment : importance	30%
II	Approaches, Methods and Techniques of Teaching Environmental Education <ul style="list-style-type: none"> ➤ Objectives of Teaching Environmental Education Meaning of objectives, types of objectives and their significance Blooms Taxonomy of Educational Objectives General and Specific objectives of Teaching Environmental Education Lesson Planning: Concept, importance and planning Unit Planning : Concept, importance and planning Difference between a Lesson Plan and Unit Plan <ul style="list-style-type: none"> ➤ Approaches in Teaching Environmental Education Participatory approach Community oriented approach ➤ Methods of Teaching Environmental Education Project Method Problem solving Method <ul style="list-style-type: none"> ➤ Teaching Aids and Showcasing Concept of Teaching Aids Significance of Teaching Aids Preparation of Improvised Teaching Learning Materials (Preparation of Improvised TLM [ANY TWO] like workbooks, scrap book, project presentations and printed materials, text book analysis , magazines, etc.) cum presentations 	30%
III	Environmental Concepts -I Environment : Meaning and significance Components of the ecosystem: biotic and abiotic components; ecological pyramids (mass, energy), food-chain and food web. Environmental Situations Global Issues: Climate change, ozone layer depletion, acid rain, deforestation, human settlements: slums and depletion of natural resources. Pollution: Meaning and types of pollution, causes of pollution and Impact of pollution on environment. Green house effect and its effects.	40%

Basic Text & Reference Books:-

- Agarwal D.P.(2004). Modern Methods of Teaching Chemistry, Sarup and Sons
- Ashok P. (1998). Threads of Life , Delhi: National Institute Of Science Communication



- Bhatnagar A.B. (2005). Teaching of Science, Delhi: Vinod Pustak Mandir
- Bhattacharya (1986). Aspects of Human Ecology, North Book Centre
- Digumarti R. & Kandi J.S. (2004). Methods Of Teaching Science, New Delhi: Discovery Publishing House
- Janardan P. (2005). Practical Aspects in Teaching of Science, New Delhi: Kanishka Publishers
- Natraj. S. (2006). Learning To Teach , Vallabh Vidya Nagar: CVM
- Pandey V.C. (1998). Theads of Life , New Delhi: Isha Books
- Pandey V.C. (2005). ICT in Childhood Education, New Delhi: Isha Books
- Pandey V.C. (2005). Teaching in Technology Rich Environment, New Delhi: Isha Books
- Shewale J.G. (1996). Enzyme Everywhere ,Delhi: National Institute Of Science Communication
- Shewale J.G. (1996). Friendly Fermentation, Delhi: National Institute Of Science Communication
- Sood J.K. (2005). Teaching of Science, Delhi: Vinod Pustak Mandir
- www.educationindex.com/environ/ - 23k
- www.intute.ac.uk/socialsciences/environmentalsciences
- www.sciencedaily.com/news/earth_climate/environmental_science
- www.geocities.com
- www.enn.com
- www.carleton.ca/envirosci
- www.springerlink.com/link.asp?id=108922
- <http://waymakers-go-green.blogspot.com/>

