

SARDAR PATEL UNIVERSITY
Programme & Subject: M.Sc (Surface Coating Technology)
Semester: IV
Syllabus with Effect from: June - 2010

Paper Code: PS04ESCT02	Total Credit: 4
Title Of Paper: Environmental Management	

Unit	Description in detail	Weightage (%)
	Concept of Green Chemistry & Technology Introduction to environmental Legislations pertaining to paint & coating industries Basic Environmental Chemistry Management of water pollution, air pollution & hazardous waste Advanced technologies for environmental management Cost benefit analysis of pollution abatement Energy Conservation & renewable resource of energies ISO standards for Environmental Management	100%

Basic Text & Reference Books:-

- Green Chemistry: Theory and Practice, Paul T. Anastas and John C. Warner. New York: Press, 1998.
- Wastewater Engineering: Treatment, Disposal, Reuse by Metcalf & Eddy, Tata McGraw, New Delhi
- Basic Environmental Engineering , by R C Gaur
- Environmental Engineering, 6th ed, Nelson L. Nemerow (Editor), Franklin J. Agardy (Editor), Joseph A. Salvato (Editor) by John Wiley & Sons, Inc.
- Handbook of chemical and environmental engineering calculations, by Joseph P Reynolds, John S Jeris, Louis Theodore, John Wiley & Sons, Inc.
- Air Pollution by M N Rao, McGraw, New Delhi
- Environmental Chemistry by A K De, Wiley Eastern Ltd
- Non-Conventional Energy Sources by G.D.Rai

