

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.E. SEMESTER : VII**  
**ENVIRONMENTAL SCIENCE & TECHNOLOGY**

**Subject Name: Environmental Management**

**Subject Code: 173503**

Teaching Scheme				Evaluation Scheme			
Theory	Tutorial	Practical	Total	University Exam(E)	University Exam(P)	Mid Sem Exam(Theory) (M)	Practical (Internal)
4	0	3	7	70	30	30	20

Sr No	Course Contents
1	Environmental norms and legislation: Global and Indian scenario. Various agencies connected with pollution control. Techno economic evaluation of pollution control practices
2	Environmental, Energy , and Water audit and EMS
3	Planning of environmental prospects at the project inception, Socio economic aspects of environmental processes
4	ISO, REACH and similar procedures adapted to standardize and protect the environment connected with foreign trade
5	Environmental impact assessment (EIA), Life cycle analysis of a product

**Reference Books:**

1. Handbook of Environmental Laws, Guidelines, Compliance & Standards,
2. Vol 1 & 2, Environ-Media, Karad, Inida
3. Environmental audits: evaluating and responding to environmental concerns, L Leo Motiuk Practising Law Insitute,1991
4. A Complete Guide to Environmental Audits, Elizabeth Glass Geltman, Section of Natural Resources, Energy, and Environmental Law, American Bar Association, 1997
5. Environmental Auditing, A K Shrivastava, APH Publishing, 2003
6. Environmental Management, Agarwal, APH Publishing, 2005
7. Environmental Impact : Assessment Methologies, Anjaneyulu, B S Publication, 2<sup>nd</sup> Ed., 2011
8. Complete Guide To ISO 14000 by Richard B. Clement, Simon & Schuster, 1<sup>st</sup> Ed.,1996