



GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelor of Engineering

Subject Code: 3153513

Semester – V

Subject Name: Legislation for Environment Protection

Type of course: Professional Elective Course

Prerequisite: A good fundamental backup of Environment, Environmental pollution, Impact of pollution, various agencies involved in environmental protection, waste management and handling etc, along with some basic knowledge of Environmental protection.

Rationale: This subject is intended to make students aware about the existing Environmental Legislations in India, and how these laws can be applied for preventing and controlling the pollution in case of violation of any Environmental Laws.

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
			ESE (E)	PA (M)	ESE (V)	PA (I)		
3	1	0	4	70	30	0	0	100

Content:

Sr. No.	Content	Total Hrs
1	Origin of Environmental Law, concept of law & policy- Precautionary Principle and Polluter Pays Principle, Environment & Governance, Environmental Law and the Indian Constitution, Other major law and Environment (CrPC, IPC), Institutional framework (SPCB/CPCB/MOEF)	08
2	Familiarization with important sections and Clauses of Act/ Rules (As amended at the beginning of semester)# Water (Prevention & Control of Pollution) Act; 1974, Air (Prevention & Control of Pollution) Act; 1981, Environmental Protection Act; 1986, Environmental Protection Rules; National Green Tribunal Act; 2010; MSHC Rules	10
3	Waste Management Rules(As amended at the beginning of semester)# Solid Waste Management Rules (SWM), 2016, Hazardous & other wastes (Management & trans boundary movement) Rules, 2016, Management and Handling rules for bio medical waste, Management and Handling rules for plastic waste; Construction & Demolition waste Rules; E-waste Management Rules, Silent features of Battery Waste Management Rules 2020.	10
4	Miscellaneous Regulations (As amended at the beginning of semester)# The Noise Pollution (Regulation & Control) Rules, 2000 & its amendments, The	08



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Public Liability & Insurance Act; 1991 & amendments, Public Interest Litigation Act; 1991; EIA Notification & Environmental clearance procedures; CRZ notification; Bio-diversity Rules; ODS Rules.

Note: As the Acts / Rules / Notifications are getting frequent amendments, the amended version as on date of the beginning of semester to be considered.

Suggested Specification table with Marks (Theory):

Distribution of Theory Marks					
R Level	U Level	A Level	N Level	E Level	C Level
20	20	10	10	05	05

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create and above Levels (Revised Bloom's Taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Books:

- Publications/ Website of MoEF/ CPCB on Environmental Regulations
- Environment and pollution Laws containing Acts & Rules, S.K Mohanty.
- Water (Prevention & Control of Pollution) Act; 1974 & its amendments 1978; 1988.
- Air (Prevention & Control of Pollution) Act; 1981 & its amendments.
- Environmental Protection Act; 1986 & its amendments.

Course Outcomes: After learning this course, students will be able to:



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Sr.No.	CO statement	Marks % Weightage
CO-1	Relate different Constitutional provision for Environmental Protection.	10
CO-2	Identify various Environmental Laws and their evolution in India.	20
CO-3	Apply major Acts and Rules for preventing and controlling the pollution.	20
CO-4	Outline Notifications under Environmental Protection Act.	15
CO-5	Explain Regulation and Control rules and management and handling rules.	15
CO-6	Summaries all applicable rules and regulations for Environmental protection in constitution of India.	20