Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-IV • EXAMINATION - SUMMER • 2014

	•	Code: 741701 Date: 04-06-2014	
	•	Name: Environmental Legislation and Management 2:30 pm - 05:00 pm Total Marks: 70	
	ructio	± ±	
	1.	Attempt all questions.	
	2.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
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Q.1	(a)	Enlist and explain the functions of State Pollution Control Board.	07
	(b)	Write a short note on õWater Balance Diagram õ	07
Q.2	(a)	Enlist the different methodologies for carrying out EIA and explain õChecklist methodö in detail.	07
	(b)	Write a note on õNeed of Environmental Legislation.ö	07
		OR	
	(b)	Define õEnvironmental auditö. Enlist and explain the objectives of Environmental audit.	07
0.2			0.5
Q.3	(a)	What is material mass balance? How is material mass balance done in a	07
	(b)	chemical industry? What is its use and application? Write a short note on õConstitutional provisions for Environmental protectionö.	07
	(6)	OR	U I
Q.3	(a)	How does the sampling procedure differ under Water (Prevention & Control	07
		of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act 1981.	
	(b)	Write a note on õEnvironment Management Programmeö of an industry	07
0.4			0.5
Q.4	(a) (b)	Explain the objectives of Environmental Impact Assessment. Write a short note on õPublic Participation in EIAö. Highlight its advantages	07 07
	(6)	and disadvantages.	0,
		OR	
Q.4	(a)	Write down the penalty provisions under Water (Prevention & Control of	07
	(b)	Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act 1981. Explain baseline monitoring? Explain its importance in the process of EIA.	07
	(D)	Explain baseline monitoring: Explain its importance in the process of ETA.	U /
Q.5	(a)	It is proposed ton construct an Expressway connecting two major cities. Enlist	07
		the probable environmental impacts and classify them as short term &long	
	(b)	term and reversible and irreversible. Highlight the difference between corrective action & preventive action in ISO	07
	(b)	14000	07
		OR	
Q.5	(a)	Explain the cost benefit analysis method of impact analysis.	07
	(b)	Explain the procedure of obtaining Environmental Clearance for a project	07
