Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER VII EXAMINATION – SUMMER 2015

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Ti	me: 2 tructio 1. 2.	Attempt all questions.	70	
Q.1	(a) (b)	Explain the structure and function of central pollution control board. 'Prevention is better than cure'. Justify this statement in context with Environmental Impact Assessment.	07 07	
Q.2	(a)	Explain with example how water balance of a chemical industry is calculated, which is using water in boiler, processes, cooling tower and other miscellaneous activities. Write a short note on energy audit	07 07	
	(b)	OR	U/	
	(b)	What is EMS? Why it is required?	07	
Q.3	(a)	What is environmental policy? What factors you will consider while preparing environmental policy for getting ISO 14000 for an organization.	07	
	(b)	Give overview of REACH with a proper flow chart. OR	07	
Q.3	(a)	What is life cycle analysis of the product? Why such analysis is required? Give illustrations to support your answer.	07	
	(b)	Enlist important environmental legislations applicable in India. Explain any one of them in brief.	07	
Q.4	(a)	Why public hearing is required in the process of getting EIA? Explain the procedure of conducting public hearing for EIA.	07	
	(b)	Enlist the stake holders to be considered while going for ISO 14000. Explain how ISO 14000 can help in improving the business of an organization. OR	07	
Q.4	(a)	Why environmental legislations are required? Which thought processes dominate the global environmental law pattern?	07	
	(b)	Explain socio economics aspects of environmental processes.	07	
Q.5	(a)	Define Environmental Audit. Explain the basic steps involved in a typical audit process.	07	
	(b)	Explain how effective/good environmental management plays an important role in achieving the objective of sustainable development. OR	07	
Q.5	(a)	What is EIS? Explain the steps of preparing EIS while performing Environmental Impact Assessment.	07	
	(b)	Explain in brief what is Strategic Environmental Assessment? What are its aims and objectives?	07	
