Seat N	lo.: _	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
B.PHARM – SEMESTER – VII • EXAMINATION – WINTER – 2015 Subject Code: 2270007 Date: 16/12/2015 Subject Name: Environmental Toxicology and Green Audit Time: 10.30 AM to 1.30 PM Total Marks: 80 Instructions: 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.			
Q.1	(a) (b) (c)	What is toxicity? Explain the factors which affect the toxicity of chemicals. Write a note on principles of ecology and toxicology. Differentiate acute and chronic Toxicity.	06 05 05
Q.2	(a) (b) (c)	Define carcinogenicity and explain tests for mutagenesis toxicity. Enumerate toxic inorganic compounds and discuss any two. Write a short note on bio-assay techniques.	06 05 05
Q.3	(a) (b) (c)	Enumerate toxic natural products and discuss any two. Explain unsaturated non-aromatic hydrocarbon and aromatic hydrocarbons toxicology. Write a note on toxicology of metals.	06 05 05
Q.4	(a) (b) (c)	Explain toxicology of organooxygen compounds. Discuss phase II reactions of toxicants. Write a note on Metabolic reactions of xenobiotic compounds.	06 05 05
Q.5	(a) (b) (c)	Describe biochemistry mechanism of mutagenesis and carcinogenesis. Write in brief about ionizing radiation toxicology. Write a short note on regulatory toxicology.	06 05 05
Q. 6	(a) (b) (c)	Write a note on phase I reactions related toxicity. Discuss Framework of environmental auditing. Explain management of the environment auditing process and future prospect of environment auditing.	06 05 05
Q.7	(a) (b) (c)	Discuss environmental regulatory criteria. Explain pollution control, wastes and recycling for environmental. Write a note on standards for environmentally friendly products.	06 05 05
