

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VII • EXAMINATION – WINTER • 2016

Subject Code: 2270007

Date: 29-11-2016

Subject Name: Environmental Toxicology and Green Audit

Time: 10:30 am - 01:30 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) Discuss different pathways of Toxicants into ecosystem.	06
	(b) Differentiate acute and chronic Toxicity.	05
	(c) Discuss concepts of LD ₅₀ and LC ₅₀	05
Q.2	(a) Explain Plant toxin and Insect toxin in details.	06
	(b) Discuss Toxic Inorganic phosphorus compounds in details.	05
	(c) Discuss Toxicology of Aromatic hydrocarbons.	05
Q.3	(a) Classify Organonitrogen compounds and discuss toxicology of Nitro compounds.	06
	(b) Write a note on toxicology of Organosulfur compounds.	05
	(c) Discuss different Classifications of Toxicants.	05
Q.4	(a) Enlist various Phase-I and Phase-II reactions and discuss Phase-II reactions of Toxicants.	06
	(b) Discuss Ionizing radiation toxicology.	05
	(c) Write a short note on Regulatory toxicology.	05
Q.5	(a) Discuss biochemistry of Mutagenesis and Carcinogenesis.	06
	(b) Explain metabolic reactions of Xenobiotic compounds.	05
	(c) Discuss Legal approaches to the regulation of toxic substances.	05
Q. 6	(a) Define Environmental audit and discuss Framework of environmental auditing.	06
	(b) Explain Energy and land use planning for environmental.	05
	(c) Discuss environmental regulatory criteria.	05
Q.7	(a) Discuss standards for environmentally friendly products.	06
	(b) Explain management of the environment auditing process and future prospect of environment auditing.	05
	(c) Discuss Bioconcentration and Biomarkers in details.	05
