

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER-VII • EXAMINATION – WINTER -2020

Subject Code: 2270007**Date:16/01/2021****Subject Name: Environmental Toxicology And Green Audit****Time: 10:30AM TO 12:30PM****Total Marks: 54****Instructions:**

1. Attempt any **THREE** questions from Q-1 to Q-6.
2. **Q.7** is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

Q.1	(a) Discuss standards for environmentally friendly products.	06
	(b) Discuss different pathways of Toxicants into ecosystem.	05
	(c) Explain LD ₅₀ & LC ₅₀ in detail.	05
Q.2	(a) Classify organonitrogen compounds and discuss toxicology of nitro compounds.	06
	(b) Enlist various Bioassay techniques and explain any one in detail.	05
	(c) Write a note on Biomarkers.	05
Q.3	(a) Explain metabolic reactions of Xenobiotic compounds.	06
	(b) Explain Mycotoxins and Insect toxin in detail.	05
	(c) Discuss different classification of Toxicants.	05
Q.4	(a) Explain Ionizing radiation toxicity in detail.	06
	(b) Write a note on dose response relationship.	05
	(c) Discuss toxic inorganic sulfur compounds in detail.	05
Q.5	(a) Define toxicity and explain acute and chronic toxicity with examples.	06
	(b) Give brief account on Phase-II reactions of toxicants.	05
	(c) Discuss biochemistry of Carcinogenicity.	05
Q. 6	(a) Explain pollution control, wastes and recycling for environment.	06
	(b) Write a note on metal toxicity.	05
	(c) Discuss legal approaches to the regulation of toxic substances.	05
Q.7	(a) Define Environmental audit and discuss Framework of environmental auditing.	06
	OR	
	(a) Discuss the Human health risk management.	06
	OR	
	(a) Write a note on Community awareness.	06
