

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 7 EXAMINATION – WINTER -2019

Subject Code: 2270007**Date: 28-11-2019****Subject Name: Environmental Toxicology and Green Audit****Time: 10:30AM TO 01:30PM****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) Classify Organonitrogen compounds and discuss toxicology of Nitro compounds.	06
	(b) Give detail account on recycling of wastes.	05
	(c) Explain Energy and land use planning for environmental.	05
Q.2	(a) Explain management of the environment auditing process and future prospect of environment auditing.	06
	(b) Explain biochemistry of carcinogenesis.	05
	(c) Discuss Legal approaches to the regulation of toxic substances.	05
Q.3	(a) Define toxicity and explain acute and chronic toxicity with examples.	06
	(b) Write a short note on toxicology of Metals	05
	(c) Discuss the role of Environment in carcinogenesis.	05
Q.4	(a) Discuss different pathways of Toxicants into ecosystem.	06
	(b) Discuss concepts of LD ₅₀ and LC ₅₀ .	05
	(c) Enlist different bioassay techniques and explain any one in detail.	05
Q.5	(a) Enlist various Phase-I and Phase-II reactions and discuss Phase-II reactions of Toxicants.	06
	(b) Discuss Human health risk assessment.	05
	(c) Write a short note on Regulatory toxicology.	05
Q. 6	(a) Give classification of toxins.	06
	(b) Discuss Toxicology of Aromatic hydrocarbons.	05
	(c) Write a note on toxicology of Organosulfur compounds.	05
Q.7	(a) Define Environmental audit and discuss Framework of environmental auditing.	06
	(b) Write a short note on community awareness.	05
	(c) Discuss standards for environmentally friendly products.	05
