

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.

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| 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 |
