

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER-VII-EXAMINATION – SUMMER 2017

Subject Code: 2270007

Date: 10/05/2017

Subject Name: Environmental Toxicology and Green Audit

Time: 02:30 PM to 05:30 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) Define toxicity and explain acute and chronic toxicity with examples. | 06 |
| | (b) Write a short note on LD ₅₀ and LC ₅₀ . | 05 |
| | (c) Enlist different bioassay techniques and explain any one in detail. | 05 |
| Q.2 | (a) Give classification of toxins. | 06 |
| | (b) Write a short note on toxicology of hydrocarbons with examples. | 05 |
| | (c) Explain in detail about metal toxicity. | 05 |
| Q.3 | (a) Write a short note on biochemical mechanism of toxicity. | 06 |
| | (b) Explain legal approaches for regulation of toxic substances. | 05 |
| | (c) Give brief account on phase-II reactions of toxicants. | 05 |
| Q.4 | (a) Explain framework of environmental auditing. | 06 |
| | (b) Write a short note on control of pollution. | 05 |
| | (c) Give detail account on recycling of wastes. | 05 |
| Q.5 | (a) Write a short note on biomarkers. | 06 |
| | (b) Write a short note on mycotoxins. | 05 |
| | (c) Explain biochemistry of carcinogenesis. | 05 |
| Q. 6 | (a) Write a short note on metabolic reactions of xenobiotic compounds. | 06 |
| | (b) Explain toxicology of organooxygen compounds. | 05 |
| | (c) Write a short note on community awareness. | 05 |
| Q.7 | (a) Write a short note on factors affecting toxicity. | 06 |
| | (b) Explain in brief: Mutagenicity. | 05 |
| | (c) Explain Human health risk assessment. | 05 |
