

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**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.

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

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