| Seat No.: | Enrolment No. |
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **B.PHARM. - SEMESTER- VII • EXAMINATION - SUMMER-2016**

| Subject Code: 2270007 | Date: 13/05/2016 |
|-----------------------|------------------|
|                       | 1.00 1.11        |

| Subject Name: Envi | ronmental Toxico | logy and ( | Green Audi |
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| Time: 2:30 PM to 5:30 PM | Total Marks: 80           |
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## **Instructions:**

- 1. Attempt any five questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

| Q.1  | (a)<br>(b)<br>(c) | Discuss different pathways of Toxicants into ecosystem. Discuss Bioconcentration and Biomarkers in details. Write a note on effects of Toxicants on ecosystems.  | 06<br>05<br>05 |
|------|-------------------|--|----------------|
| Q.2  | (a)<br>(b)<br>(c) | Discuss biochemistry of Carcinogenicity. Discuss dose response relationship. Explain Mycotoxins and Insect toxin in details.   | 06<br>05<br>05 |
| Q.3  | (a)<br>(b)<br>(c) | Discuss Toxic inorganic carbon compounds in details Classify Hydrocarbons and discuss toxicology of Methane, Cyclohexane and Butylenes. Classify Organonitrogen compounds and discuss toxicology of Nitro compounds. | 06<br>05<br>05 |
| Q.4  | (a)<br>(b)<br>(c) | Write a short note on toxicology of Metals Discuss different Classifications of Toxicants. Discuss the role of Environment in carcinogenesis.  | 06<br>05<br>05 |
| Q.5  | (a)<br>(b)<br>(c) | Enlist various Phase-I and Phase-II reactions and discuss Phase-II reactions of Toxicants Explain metabolic reactions of Xenobiotic compounds Discuss Human health risk assessment.                                  | 06<br>05<br>05 |
| Q. 6 | (a)<br>(b)<br>(c) | Write a short note on Regulatory toxicology Define Sustainable development and discuss its strategy. Discuss Management of the environment auditing process.   | 06<br>05<br>05 |
| Q.7  | (a)<br>(b)<br>(c) | Define Environmental audit and discuss Framework of environmental auditing. Discuss Energy policy while environmental auditing. Write a short note on Community awareness.   | 06<br>05<br>05 |

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