

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER-VIII • EXAMINATION – SUMMER 2013**

**Subject Code: 180406****Date: 09/05/2013****Subject Name: Environmental Management****Time: 10:30 am TO 01:00 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Explain how composting techniques facilitates solid waste management. **07**  
(b) Explain briefly different strategies for hazardous waste management. **07**
- Q.2** (a) Elaborate on Xenobiotic and its types. **07**  
(b) Elaborate on the significance of Sanitary land filling. **07**
- OR**
- (b) Discuss the basic components of a landfill system. **07**
- Q.3** (a) Explain how gaseous pollution can be removed by catalytic oxidation. **07**  
(b) Explain the steps taken removal of NO<sub>x</sub> from the industrial gaseous outlet. **07**
- OR**
- Q.3** (a) Define air pollution. What are the different sources of air pollution? **07**  
(b) How soil salinity occurs? Explain its clean-up processes. **07**
- Q.4** (a) Discuss in detail about nanopollution. **07**  
(b) Define the term carbon credit. Write a detail note on it. **07**
- OR**
- Q.4** (a) Describe in detail the process of Biomagnifications. **07**  
(b) Write a detail note on EIA. **07**
- Q.5** (a) Define/give full form of following terms with brief explanation: **07**  
• ICMR  
• WHO  
• MPCB  
• BOD  
• COD  
(b) Describe the basic design and operating principle of fabric filter **07**
- OR**
- Q.5** (a) Explain sampling methods for air pollution. **07**  
(b) What do you mean by environmental health? What are the factors affecting environmental health? **07**

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