

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- VIIIth SEMESTER–EXAMINATION – MAY- 2012****Subject code: 180406****Date: 08/05/2012****Subject Name: Environmental Management****Time: 10:30 am – 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) Define and explain these terms: biomagnification, biodilution and bioconcentration. **07**

(b) Elaborate on Xenobiotics and its types. **07**

Q.2 (a) With the help of neat diagram explain the design and operating principle of any two equipments for the control of particulate pollution. **07**

(b) What is environmental degradation? What are the different types of environmental degradation? **07**

OR

(b) What is soil contamination? How it occurs? Discuss its remedies. **07**

Q.3 (a) Give full form of EIA. Discuss significances of it. **07**

(b) What are the measurements of water quality standards? **07**

OR

Q.3 (a) Give brief idea of industrial waste water treatment. **07**

(b) Explain the basic principle of activated sludge process with the help of diagram. **07**

Q.4 (a) Write short notes on the effects of air pollution on human health. **07**

(b) Define air pollution. What are the different sources of air pollution? **07**

OR

Q.4 (a) Explain how oxides of sulphur are removed from fuel before combustion. **07**

(b) What points should be considered while sampling for air pollution measurement? **07**

Q.5 (a) Explain in brief the following treatment strategies for industrial effluents: a) Land filling b) Land farming c) Composting **07**

(b) Elaborate on hazardous waste, its sources and inherent characteristics. **07**

OR

Q.5 (a) Discuss different policies and amendments for industrial wastewater disposal. **07**

(b) Elaborate on the types of hospital wastes. **07**
