

Thapar Institute of Engineering and Technology: Patiala  
End Semester Examination 30.5.07  
MSc1st Year  
(BH019) Environmental Biotechnology

98

Time: 3 hour  
Max. Marks: 36

- ◆ **Note:** All questions carry equal marks @7.2. All parts of a question are to be attempted in continuation
  - ◆ Attempt any **FIVE** out of seven questions
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- Q1. Explain briefly concept of limiting factors justify with examples from Shelfords Law of tolerance.
- Q2. Name the air pollution control equipments. Discuss their advantages, disadvantages, and applications.
- Q3. Distinguish between the following (**Any two**)
- (i) Primary and Secondary water treatment system
  - (ii) Primary Productivity and Secondary productivity
  - (iii) Exponential and Logistic growth
- Q4. Discuss the structure and function of the Ecosystem.
- Q5. (i) Describe briefly principles of bioremediation  
(ii) Discuss the factors effecting Bioremediation process
- Q6. Give an account on sources and methods of water pollution.
- Q7. What is ecological succession explain with suitable examples.