

M.Sc.(Biotechnology) (CBCS Pattern) Semester - IV
PSBIT-113 - Paper-I : Environmental Biotechnology

P. Pages : 1

Time : Three Hours



GUG/S/23/11351

Max. Marks : 80

Notes : 1. All questions are compulsory and carry equal marks.

1. Give detail account on different types of water pollutants. **16**

OR

a) What are the various sources of air pollution? **8**

b) Give an detail accounts on Ozone depletion. **8**

2. Explain the degradation of xenobiotics in environment. **16**

OR

a) Discuss abiotic components of the ecosystem. **8**

b) Describe various types of ecological pyramids. **8**

3. Give detail account on nitrogen cycle. **16**

OR

a) Discuss about biofilters with suitable examples. **8**

b) What are the renewable sources of energy? **8**

4. Explain different types of biofertilizers. **16**

OR

a) Discuss about integrated pest management. **8**

b) Describe role of earthworm as biofertilizer. **8**

5. Write short notes on:

a) Green house effect. **4**

b) Biomagnification. **4**

c) Biogas. **4**

d) nif-gene. **4**
