

PSMBT-107 - Paper-III : Microbial Methods for Environmental Management

P. Pages : 1

GUG/W/23/11218

Time : Three Hours



Max. Marks : 80

- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labeled diagrams wherever necessary serial.

1. Explain in detail. Biomagnification of pesticides. **16**

OR

Explain eutrophication and factors influencing eutrophication process?

2. Explain in details Biotransformations of metals and metalloids. **16**

OR

Explain the concept of Bioleaching and leaching techniques and applications?

3. Describe in details concept of phytoremediation and add a note on its applications. **16**

OR

Explain waste water management using.

a) Activated sludge. **8**

b) Aerated lagoons. **8**

4. Explain global environmental problems using.

a) Ozone depletion. **8**

b) Greenhouse effect? **8**

OR

Write an essay on global warming and climate change. **16**

5. Write a note on.

a) Biodeterioration. **4**

b) Biodegradation. **4**

c) Rotary biological contractors. **4**

d) Acid mine drainage. **4**
