C 33007 **(Pages : 2)** **Name**.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION
AUGUST 2007

General Biotechnology

GBT 203 – ENVIRONMENTAL BIOTECHNOLOGY

(Regular / Improvement / Supplementary)

Time : Three Hours Maximum : 80 Marks

Section A

Answer any **two** *questions.*

1. Describe the anaerobic process of waste water management.
2. Describe the problem of global warming and its present management strategies.
3. Give an account of air pollution and its control.

(2 x 10 = 20 marks)

Section B

Answer any **ten** *questions.*

4. Describe the role of biopesticide in integrated pest management.
5. Describe the sewage pollution control strategies.
6. Discuss the different types of solid wastes.
7. Explain the drinking water quality and the measurement of drinking water pollution.
8. What is the role of oxidation pond and its working mechanism in waste water treatment ?
9. Describe the ozone depletion and tis impacts.
10. Give an account of the mediation of contaminated soils and waste lands.
11. Describe a treatment scheme for treatment of sugar factory effluents.

Brief the limitations in problem-solving in environmental management.

Describe the sources of water pollution.

Give an account of methane generation from solid wastes.

Describe wa1 Pr as a scarce natural resource.

(10 x 5 = 50 marks)

Turn over

Section C

Answer **all** *questions.*

16. **Distinguish between pollution and pollutant.**
17. **Define** biofilter.
18. **Explain the role of** CFC **in ozone depletion.**
19. **How acid rain is formed.**
20. **What is the safe method of hospital waste disposal?**

(5 x 2 = 10 marks)