

**C 56816**

**Name**.....

**Reg. No.**.....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JULY 2009**

General Biotechnology

GBT 203—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 80 Marks

**Section A**

*Answer any two questions.*

1. Give an account on sources and control measures of air pollution.
2. Discuss in detail the waste water treatment by aerobic process.
3. Write an essay on sources and management methods of solid wastes.

(2 x 10 = 20 marks)

**Section B**

*Answer any ten questions.*

4. Explain the role of micro-organisms in the degradation of Xenobiotics.
5. Describe the wormi culture.
6. Give an account on biopsticides in integrated pest management.
7. Explain environmental management through biotechnological approaches.
8. How do you treat tannery effluents ?
9. Explain Greenhouse effect.
10. Explain the effects of sulfur dioxide on crop plants.
11. How do you reclaim wasteland ?
12. Aquaculture is boon or ban. Explain.
13. Describe the sources and treatment methods of water pollution.
14. Give an account on methane gas production by micro-organisms.
15. What is the impact of ozone depletion on the environment ?

(10 x 5 = 50 marks)

**Section C**

*Answer all questions.*

16. BOD.
17. TOL plasmid.
18. UV-B.
19. Biomagnification.
20. PCB.

(5 x 2 = 10 marks)