

**C 17057**

**Name**.....

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

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, AUGUST 2006**

General Biotechnology

GBT 203—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 80 Marks

**Section A**

*Answer any **two** questions.  
Each question carries **10** marks.*

1. Describe global warming and its impacts briefly.
  2. Describe the problems in solid waste management.
  3. Give an account of the biotechnological applications in environmental management.
- (2 x 10 = 20 marks)

**Section B**

*Answer any **ten** questions.  
Each question carries 5 marks.*

4. Describe how **CFC** depletes ozone.
  5. Describe the advantages of composting.
  6. Discuss the measures for control of air pollution.
  7. Explain how the anaerobic fermentation adds the value of slurry.
  8. Describe the role of **biofilters** in waste water treatment ?
  9. Describe the impact of tannery wastes.
  10. Give an account of the drinking water quality.
  11. Describe the health effects of air pollution on humans.
  12. Brief the composition and stratification of atmosphere.
  13. Describe the water as a scarce resource.
  14. Give an account the impacts of pesticides in water.
  15. Describe the restoration of contaminated soils.
- (10 x 5 = 50 marks)

**Section C**

*Answer **all** questions.  
Each question carries 2 marks.*

16. Describe the problem of hospital waste and its disposal.
  17. Define methane as a green house gas.
  18. Explain the role of **biopesticide** in pest management.
  19. Define oil spill.
  20. Explain the acid rain.
- (5 x 2 = 10 marks)