

D 1467

Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION
SEPTEMBER/OCTOBER 2004

General Biotechnology

GBT 203—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 80 Marks

Section A

Answer any two questions.

1. Describe the wastewater treatment by aerobic process.
2. Define Air pollution. Enumerate the sources of pollution and describe the control measures of air pollution.
3. Describe the environmental management through biotechnological approaches.

(2 X .10 = 20 marks)

Section B

Answer any ten questions.

4. Describe the role of biopesticides in integrated pest management.
5. Describe the treatment schemes for wastewater of distillery and tannery industries.
6. How do you reclaim wasteland ?
7. Describe wormiculture.
8. Describe the role of microorganisms in the degradation of xenobiotics in the environment.
9. Explain the biogas production.
10. What is green house effect ? Explain its impact on the environment.
11. Explain Environmental Impact Assessment (EIA).
12. Discuss nuclear pollution and its control measures.
13. Describe the anaerobic process of wastewater treatment.
14. Give an account of biomining.
15. Explain acid rain.

(10 x 5 = 50 marks)

Section C

Answer all questions.

16. Oil pollution.
17. COD.
18. Environmental Protection Agency (EPA).
19. Surfactants.
20. Ozone depletion.

(5 x 2 = 10 marks)