C 6724 (Pages : 2) Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2010

General Biotechnology

GBT. 203—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours Maximum : 80 Marks

Section A

Answer any **two** *questions.*

1. What are the main sources of air pollution ? Explain.
2. Give an account on solid waste management with examples.
3. Write down the methodology for degradation of Xenobiotics in environment through eco-friendly approach.

(2 x 10 = 20 marks)

Section B

Answer any **ten** *questions.*

4. Write down the issues in the environment for sustainable management.
5. Mention the techniques for pollution measurement.
6. Explain the waste water treatment through chemical treatment process.
7. Write a note on (i) Rotating discs ; and (ii) Rotating drums.
8. Write down the merits of anaerobic processes waste water treatment processes.
9. Write down the procedures for the treatment of dairy waste.
10. Write down the role of genetic engineering in bioremediation.
11. Define IPM and write about the principles of IPM.
12. Write aerobic and anaerobic composting.
13. Write down the importance of Wormiculture.
14. Write a note on degradative plasmids with examples.
15. Write briefly the role of plants in environmental management.

(10 x 5 = 50 **marks)**

Turn over

Section C

Answer **all** *questions.*

16. **Acid Rain.**

17. CFC.

18. BOD.

19. **Photochemical smog.**

20. **Radio isotopes.**

(5 x 2 = 10 marks)

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