



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – APRIL 2017

AZ 2506- BASIC BIOTECHNOLOGY

Date: 05-05-2017
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART A

Answer All Question All Questions Carry Equal Marks

(10 X 2 = 20)

1. Biotechnology.
2. IPR.
3. Primary culture.
4. Tissue culture.
5. Plasmids.
6. Cloning.
7. DNA sequencing.
8. Bio reactor.
9. Hormones.
10. Nitrogen fixing bacteria.

PART B

Answer Any Four Question All Questions Carry Equal Marks

(4 X 10 = 40)

11. What is recombinant DNA technology?
12. What are the common media used for various cultures?
13. Explain the role of transposons.
14. Explain the role of Biosensor in the field of biotechnology.
15. State the importance of *Bacillus thuringiensis*.
16. Write a note on Cryopreservation.

PART C

Answer Any Two Question All Questions Carry Equal Marks

(2 X 20 = 40)

17. Write an essay on Intellectual Property rights and its application.
18. Enumerate the recent advances in plant tissue culture techniques.
19. List out the uses of monoclonal antibodies and hybridomas.
20. Biotechnology is a boon to aquaculture industry – Discuss.
