



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – APRIL 2015

AZ 2506/AZ 1505/AZ 1502 - BASIC BIOTECHNOLOGY

Date : 17/04/2015
Time : 01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A

(10 *2=20 marks)

Answer ALL questions:

1. Define Patent law.
2. What is Cell line?
3. Define Tissue culture.
4. What is PBR322?
5. Comment on Genomic Libraries.
6. What are Bioreactors?
7. Define Nif genes.
8. Comment on Cryopreservation.
9. Define Nutritional Quality.
10. What is Endonuclease?

PART-B

(4*10=40 marks)

Answer any FOUR of the following questions:

11. Give an account on IPR.
12. Write short notes on Applications of Animal Tissue Culture.
13. Explain in detail about cDNA Preparation and uses of DNA probes.
14. Give a brief notes on basic concepts of Fermentation.
15. Write an account on GMO'S.
16. Comment on Transposons.

PART-C

(2 *20=40 marks)

Answer any TWO of the following questions:

17. Give a detailed account on Organ culture.
18. Write notes on the classification of Restriction Enzymes.
19. Discuss the uses of Biotechnology in the field of Agriculture.
20. Give an account on Transgenic Fish.

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