

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – APRIL 2018

17/16UZO2MC03– FUNDAMENTALS OF BIOTECHNOLOGY

Date: 26-04-2018

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART-A

Answer ALL questions:

(10 ×2=20marks)

1. What is a Trade mark?
2. Define Cell line.
3. Mention the uses of Ligases.
4. What is Fermentation?
5. Define Micro propagation.
6. What is Patent law?
7. Comment on Plasmids.
8. What is cDNA?
9. Define Transducers.
10. What is Exonuclease?

PART-B

Answer any FOUR of the following questions:

(4×10=40marks)

11. Write brief notes on importance of Biotechnology.
12. Give a detailed account on Organ culture.
13. Explain in detail about the Molecular cloning.
14. Write short notes on Bioreactors.
15. Describe in detail about Cryopreservation.
16. Give an account on Transgenic Fish.

PART-C

Answer any TWO of the following questions:

(2×20=40marks)

17. Give a detailed account on IPR.
18. Explain the steps involved in cDNA Preparation and uses of DNA probes.
19. Give a brief notes on Biosensors.
20. Write an account on GMO'S
