



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – APRIL 2017

16UZO2MC03- FUNDAMENTALS OF BIOTECHNOLOGY

Date: 25-04-2017
TIME: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A (10×2=20marks)

Answer ALL questions:

1. What is Copyright?
2. Define Cell line
3. What is Plasmid?
4. Define Biosensors
5. What is Transgenic fish?
6. Define Trade mark.
7. What is Animal Tissue Culture?
8. Define Indirect Cloning.
9. List out the types of Biotransducers?
10. What is Cryopreservation?

PART-B (4×10=40marks)

Answer any FOUR of the following questions:

11. Write short notes on IPR.
12. Give an account on types of Culture Media.
13. Highlight the detail of cDNA and uses of DNA probes.
14. Give a brief notes on Fermentation.
15. Illustrate the process of Nitrogen Fixation with neat diagram.
16. Give short notes on Jumping Genes.

PART-C (2 ×20=40marks)

Answer any TWO of the following questions:

17. Give a detailed account on Organ culture.
18. Enumerate the role of Restriction Enzymes in rDNA Technology.
19. Illustrate the structure and types of Bioreactors.
20. Give an account on GMO.
