



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2019

17UZO5MC03 – ANIMAL BIOTECHNOLOGY

Date: 02-11-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART - A

Answer **All** the questions

(10X2=20)

1. What is Explant culture?
2. State any two application of human embryonic stem cell.
3. What is Lipofection?
4. What is Biolistics?
5. Explain animal bioreactors.
6. Comment on Knock out mice.
7. Define molecular marker.
8. What is Humulin?
9. List out the recent advancements in biotechnology.
10. What is GEOs and risks associated with it?

PART-B

Answer any **FOUR** questions

(4X10=40)

11. Write short notes on Natural animal ingredients as culture media.
12. Describe the microinjection method with a neat diagram.
13. Write short notes on Micro array.
14. List out the applications of DNA finger printing
15. Write down the applications of animal as bioreactor.
16. Briefly explain the importance of genetic therapy

PART-C

Answer any **TWO** questions.

(2X20=40)

17. Give an account on Animal cell culture and technological uses.
18. Explain RAPD, RFLP and its applications.
19. Describe the production hybridoma for monoclonal antibodies.
20. Discuss the socio – ethical implications due to animal genetic engineering.
