



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2017

AZ 5519/AZ 5515/AZ 5508 – ANIMAL BIOTECHNOLOGY

Date: 08-11-2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

Part A

Answer All the questions

(10 X 2 = 20)

1. Culture media
2. Bioreactors
3. Liposomes
4. Biolistic
5. Transgenesis
6. Molecular marker
7. RFLP, RAPD
8. Importance of live stocks
9. Gene therapy
10. Biotechnology

Part B

Answer any FOUR questions

(4 X 10 = 40)

11. What are the requirements for the organ culture?
12. Comment on the stem cell and their applications
13. What is DNA microarray?
14. Discuss animals as bioreactor.
15. What is the transgene and transgenesis?
16. Explain the production of monoclonal antibodies
17. Write short notes on gene therapy?
18. What are the recent trends in animal biotechnology?

Part C

Answer any TWO questions

(2 X 20 = 40)

19. Explain in detail the methods of transfection.
20. Write short notes on i) transgenic mammals ii) transgenic fishes.
21. Write an essay on human genome project.
22. Comment on the socio ethical problem due to animal genetic engineering.
