



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2019

16UZO5MC03– ANIMAL BIOTECHNOLOGY

Date: 22-04-2019
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART - A

ANSWER ALL THE QUESTIONS

(10*2=20)

1. Bioreactor
2. Culture media
3. Liposomes
4. Biolistic
5. Transgene
6. Molecular forming
7. RFLP
8. Hybridoma
9. Ethics
10. Monoclonal antibodies

PART - B

ANSWER ANY FOUR QUESTIONS (4*10=40)

11. Comment on the Cultivation of animal cell in bioreactors.
12. Explain Stem cells and their application.
13. Describe the different methods of transfection.
14. Give an account of the application of molecular markers.
15. Write short notes on (a) RAPD (b) DNA fingerprinting
16. Comment on the ethical implications in Animal biotechnology.

PART - C

ANSWER ANY TWO QUESTIONS (2*20=40)

17. Write an essay on Tissue and Organ Culture.
18. Explain transgenic in animals and importance of live stocks.
19. Comment on Human genome project.
20. Discuss in detail on the socio ethical problem due to animal genetic engineering.

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