

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**

**FIFTH SEMESTER – APRIL 2018**

**AZ 5519– ANIMAL BIOTECHNOLOGY**

Date: 04-05-2018  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART A**

Answer **ALL** the questions.

**(10X2 = 20 MARKS)**

1. Define culture media.
2. What are liposomes?
3. Define organ culture.
4. What is biotechnology?
5. Define stem cells.
6. What are molecular markers?
7. Define molecular farming.
8. What is human insulin?
9. Define gene therapy.
10. Define transgenic fishes.

**PART B**

Answer any **FOUR** the questions.

**(4X10 = 40 MARKS)**

11. Compare natural media and synthetic media.
12. Explain the methods of transfection.
13. Comment on the importance of live stocks.
14. Give an account on gene therapy.
15. Comment on the recent trends in animal biotechnology.
16. Describe the concept of DNA fingerprinting.

**PART C**

Answer any **TWO** the questions.

**(2X20 = 40 MARKS)**

17. Give a detailed account on application of stem cell.
18. Explain in detail about RFLP and RAPD.
19. Describe in detail about Human genome project.
20. Discuss the socio ethical problem due to animal genetic engineering.

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