

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



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

**FIFTH SEMESTER – APRIL 2016**

**AZ 5519/AZ 5515/AZ 5508 – ANIMAL BIOTECHNOLOGY**

Date: 03-05-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**SECTION – A**

Answer **ALL** the questions

(10x2=20)

1. Organ culture
2. Bioreactors
3. Biolistics
4. Microinjection
5. Transgenesis
6. Molecular farming
7. Gene-knock out
8. RFLP
9. Gene therapy
10. Social implication on biotechnology

**SECTION – B**

Answer any **FOUR** of the following

(4x10=40)

11. Give brief note on synthetic media for animal cell culture.
12. Write short notes on DNA Micro array.
13. Write a brief note on transgenic fish.
14. Give brief account on human genome project.
15. Write the socio-ethical problem due to genetic engineering.
16. Give brief account on recent trends in animal biotechnology.

**SECTION – C**

Answer any **TWO** of the following

(2x20=40)

17. Describe the animal cell culture and its application.
18. Explain the various methods of gene transfer in biotechnology.
19. Explain the expression of foreign genes in transgenic mice.
20. Describe the DNA finger printing technique and its application.

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