

# MODEL QUESTION PAPER

## P R GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA

III Year B.Sc., SEMESTER-V CODE ZO 5508-C

ZOOLOGY – III PAPER - V ANIMAL BIOTECHNOLOGY  
2 ½ hrs.

Time:  
Max Marks: 60

### PART - 1

Note :Answer any THREE questions choosing at least one question from each section. Draw the diagrams where ever necessary 3 X10 = 30

#### SECTION- A

1. Write an essay on the Animal Biotechnology and its significance
2. What are various types of Cloning Vectors
3. Explain the Sanger's method of DNA sequencing

#### SECTION-B

4. Write an essay on the production of Monoclonal Antibodies
5. Write notes on Transgenesis and Transgenic Animals
6. Explain In vitro fertilization

### Part - II

Answer any Six questions  
6x5=30

7. DNA Ligases
8. Restriction Endonucleases
9. Viral Mediated gene delivery
10. Western blotting
11. Gene gun
12. HeLa
13. Types of Stem Cells
14. Polyploidy in Fishes
15. What is Fermentations
16. Lyophilisation