



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2022

UAZ 5507 – BEHAVIOURAL BIOLOGY

Date: 03-12-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART - A

ANSWER ALL THE QUESTIONS

(10 x 2= 20 Marks)

1. Comment on natural selection
2. Define Genotype frequency
3. Explain Altruism
4. Comment on animal perception.
5. Define homeostasis.
6. What are the 3 aspects of cognition?
7. Define ritualized behavior with an example.
8. Define animal emotion.
9. What is photoreception?
10. Comment on chronotherapy.

PART – B

ANSWER ANY FOUR QUESTIONS

(4x10=40 Marks)

11. Explain the genetic variations.
12. Describe the neural control of animal behaviour.
13. Give an account on Animal Learning
14. Discuss about the decision-making behaviour in animals.
15. Write brief notes on circadian rhythms.
16. Enlist the Characteristics of Polygenic Inheritance

PART – C

ANSWER ANY TWO QUESTIONS

(2 x20 =40 Marks)

17. Give brief notes on natural selection
18. Explain in detail about the sexual selection
19. Elaborate the Animal behaviour in changing environments
20. Highlight the Complex behaviour of honey bees.
