



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2023

UAZ 5507 – BEHAVIOURAL BIOLOGY

Date: 08-05-2023

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

PART - A

ANSWER ALL THE QUESTIONS

(10 x 2= 20 Marks)

1. What is Polygenic inheritance?
2. Define Darwinian fitness.
3. What is foraging in animals.
4. What is meant by Chrono pharmacology?
5. Define Insomnia.
6. How does fruit flies sleep?
7. What are the emotions associated with the animals?
8. Name any three types of animals learned behavior.
9. What is animal sensory perception?
10. What is meant by phototransduction?

PART – B

ANSWER ANY FOUR QUESTIONS

(4x10=40 Marks)

11. How does gene influence behaviour? Explain.
12. Elucidate altruism giving examples.
13. Comment on the various reproductive strategies of animals.
14. Describe the various types of animal learning behaviour.
15. Why is communication important for animals? Discuss.
16. Explain how intelligence is determined in animals.

PART – C

ANSWER ANY TWO QUESTIONS

(2 x20 =40 Marks)

17. Describe in detail Neural control of behaviour.
18. Elaborate on cognitive learning.
19. Discuss the various types of behaviour in bees.
20. Write an account on circadian rhythm.

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