



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2017

ZO 2957- CHRONOBIOLOGY & ANIMAL BEHAVIOUR

Date: 03-05-2017
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART A

(Answer ALL Questions)

10 × 2 = 20

1. What is called homeostasis?
2. Define 'Chronobiology'
3. Define "Spatial orientation".
4. Comment on Evolutionarily Stable Strategy".
5. Comment on "emotion".
6. Comment on Displacement behaviour.
7. Comment on "Animal perception".
8. Comment on "Geophysical environment".
9. What is called innate behaviour?
10. What is called chronotherapy?

PART B

(Answer any FOUR Question)

4 × 10 = 40

11. Explain how decisions are made by animals.
12. Write an account on animal intelligence.
13. Write a paragraph on genetics and behaviour.
14. Explain the types of biological clocks.
15. Write an account on the importance of chronomedicine
16. Explain the role of nervous system in animal behaviour.

PART C

(Answer any TWO Questions)

2 × 20 = 40

17. Discuss molecular basis of seasonality.
18. Write an account on evolution of biological timing.
19. Form an essay on instinct and learning.
20. Write an essay on displacement and ritualization.
