



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2015

ZO 2957 - CHRONOBIOLOGY & ANIMAL BEHAVIOUR

Date : 23/04/2015

Dept. No.

Max. : 100 Marks

Time : 01:00-04:00

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. Comment on evolutionarily stable strategy.
2. What is called Fixed Action Pattern?
3. Comment on animal awareness.
4. Define emotion.
5. Write a note on displacement behaviour.
6. Mention the importance of ritualization.
7. Write a note on the importance of chronobiology.
8. What is spatial orientation?
9. Define Biological Clock.
10. What is called chronotherapy?

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Explain the development of behaviour.
12. Write an account on juvenile and innate behaviour.
13. Altruism is an evolutionary adaptation – Explain.
14. Write a paragraph on photoreception and phototransduction.
15. Explain the characteristics of geophysical environment.
16. Write notes on circadian pacemaker.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Write an essay on displacement and ritualization.
18. Discuss languages and animal communication.
19. Form an essay on biological clock and its relevance to animal behaviour.
20. Write an account on the importance of chronopharmacology.
