



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2014

ZO 2957 - CHRONOBIOLOGY & ANIMAL BEHAVIOUR

Date : 05/04/2014
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL questions

10 x 2 = 20 Marks

1. Define "Habituation".
2. Comment on "Action specific energy".
3. Define "Conflict".
4. What is animal cooperation?
5. Define "Natural selection".
6. Comment on Fixed Action Pattern.
7. Differentiate instincts from learning behaviour.
8. What is imprinting?
9. Define "Chronomedicine".
10. Comment on Zeitgeber Signals.

Part B

Answer ANY FOUR questions

4 x 10 = 40 Marks

11. Explain the development of behaviour.
12. Write notes on circadian rhythm.
13. Explain the role of hormones in animal behaviour.
14. Write an account on nervous system controls behaviour.
15. Elaborate circadian pacemaker in invertebrates.
16. Explain social organisation in animals.

Part C

Answer ANY TWO questions

2 x 20 = 40 Marks

17. Form an essay on the relevance of biological clocks to human welfare.
18. Discuss languages and animal communication.
19. Explain genetics and behaviour.
20. Give an account on displacement and ritualization.
