



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.Sc. DEGREE EXAMINATION - ZOOLOGY**

**SECOND SEMESTER – APRIL 2013**

**ZO 2957 - CHRONOBIOLOGY & ANIMAL BEHAVIOUR**

Date : 04/05/2013  
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

**PART A**

**Answer ALL the questions**

**10 x 2 = 20 Marks**

1. Comment on Displacement behaviour.
2. Write a note on Ritualization.
3. Define Biological Clock.
4. Comment on Animal perception.
5. Comment on Geophysical environment.
6. Mention the characteristics of human language.
7. What is called a circadian pacemaker?
8. Write a note on Photoreception.
9. What is innate behaviour?
10. What is chronotherapy?

**PART B**

**Answer any FOUR questions**

**4 x 10 = 40 Marks**

11. Write a paragraph on genetics and behaviour.
12. Explain the perception of zeitgeber signals.
13. Explain the types of biological clocks.
14. Write an account on the importance of chronomedicine
15. Explain the development of behaviour.
16. Write a paragraph on photoreception and phototransduction.

**PART C**

**Answer any TWO questions**

**2 x 20 = 40 Marks**

17. Explain the circadian system in multicellular animals.
18. Discuss languages and animal communication.
19. Form an essay on instinct and learning.
20. Write an essay on displacement and ritualization.

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