



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2016

ZO 2957 – CHRONOBIOLOGY & ANIMAL BEHAVIOUR

Date: 27-04-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART A

Answer ALL Questions

(10 × 2 = 20 marks)

1. Define “Altruism”.
2. Comment on “conditioning”.
3. Comment on Zeitgeber Signals.
4. What is called Fixed Action Pattern?
5. What is called animal awareness?
6. Write a note on Ritualization.
7. Define “Biological Clock”.
8. Mention the characteristics of human language.
9. What is called a circadian pacemaker?
10. Write a note on “Photoreception”.

PART B

Answer any FOUR Questions

(4 × 10 = 40 marks)

11. Write an account on social organisation in animals.
12. Enumerate points on Circadian rhythm.
13. Write an account on the importance of chronopharmacology.
14. Explain the perception of zeitgeber signals.
15. Write a note on juvenile and innate behaviour
16. Explain the development of behaviour.

PART C

Answer any TWO Questions

(2 × 20 = 40 marks)

17. Form an essay on biological clock and its relevance to animal behaviour.
18. Explain the circadian system in multicellular animals.
19. Discuss languages and animal communication.
20. Explain altruism.
