



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - ZOOLOGY

FOURTH SEMESTER – APRIL 2013

ZO 4808 - BEHAVIOURAL BIOLOGY

Date : 27/04/2013

Dept. No.

Max. : 100 Marks

Time : 1:00 - 4:00

PART A

Answer ALL the questions.

(10×2=20 marks)

1. What is homeostasis?
2. What is social parasitism?
3. Comment on mutualism between honey guide and honey badger.
4. Comment on emotional intelligence.
5. Define altruism.
6. Comment on non-verbal communication.
7. Differentiate proximate causation from ultimate causation.
8. What is consciousness?
9. Mention the source and chemistry of pheromones in any four insects.
10. Distinguish round dance from Waggle dance of honey bees.

PART B

Answer any FOUR

(4×10=40marks)

11. Define the term ethology and write notes on branches of ethology.
12. Explain reflexes and reflex arc.
13. Define the term courtship and explain mechanism of courtship.
14. Write notes on conflict as a behavioural pattern.
15. Describe migratory behaviour in fishes.
16. Write an account on biological rhythm.

PART C

Answer any TWO

(2×20=40marks)

17. Elaborate the types of learning.
18. Write an essay on chemical communication.
19. Discuss in detail the social organization in any FOUR insects.
20. Define aggression. Explain aggressive behaviour in animals.
