

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

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FOURTH SEMESTER – APRIL 2010

**ZO 4808 - BEHAVIOURAL BIOLOGY**

Date & Time: 17/04/2010 / 9:00 - 12:00 Dept. No.

Max. : 100 Marks

**PART – A**

Answer **ALL** the questions.

**10 x 2 = 20 Marks**

1. Mention the importance of ethology.
2. Define 'Rationale'.
3. Comment on displacement.
4. What is called society?
5. Comment on non verbal communication?
6. Define adaptive strategies of animals.
7. What is altruism?
8. What is homeostatis?
9. Define mental representation.
10. Write a note on emotional intelligence.

**PART – B**

Answer any **FOUR** questions.

**4 x 10 = 40 Marks**

11. Write an account on social organization in animals.
12. Explain the role of instincts in learning.
13. What is the role of evolution in animal behaviour?
14. Write an account on the sexual behaviour of animals.
15. Natural selection has more to offer in behavioural expression – elaborate.
16. Explain how conditioning affects learning.

**PART – C**

Answer any **TWO** questions.

**2 x 20 = 40 Marks**

17. Write an essay on environmental influences upon behaviour.
18. Discuss the heritability of behaviour.
19. Explain in detail the methods of studying animal behaviour.
20. Write an essay on animal conflicts.

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