

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – NOVEMBER 2019

PZO 1505 – ANIMAL BEHAVIORAL BIOLOGY

Date: 09-11-2019

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

Part-A

Answer ALL the questions

(10 x 2=20)

1. Comment on observational learning with an example.
2. Why should ethologists be familiar with the elements of genetics?
3. Write a note on endotherms with an example.
4. What is Batesian mimicry?
5. Differentiate genotype from phenotype.
6. Write a note on polygenic inheritance of behaviour with an example
7. Comment on chronomedicine.
8. Mention the importance of auto mimicry with an example.
9. Differentiate monohybrid cross from dihybrid cross.
10. Comment on 'Cognition'

Part-B

Answer any FOUR questions

(4 X 10 =40)

11. Form an essay on the behaviour of honeybees.
12. Explain in detail on types of sexual selection among animals.
13. Explain in detail the neural control of behaviour with suitable examples.
14. Write an essay on the associative learning in animals with examples.
15. Elaborate on the contributions of Mendel in the field of genetics.
16. Give an account on various types of communication among animals.

Part-C

Answer any TWO questions

(2 X 20 =40)

17. Write an essay on the relevance of biological clock in animals.
18. Give an account on non-verbal communication among animals.
19. 'Mimicry' as the evolutionary strategies in animal behaviour - Justify.
20. Explain in detail on social organizational behaviour of animals.
