



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FIRST SEMESTER – NOVEMBER 2017

17PZO1MC05 - ANIMAL BEHAVIORAL BIOLOGY

Date: 14-11-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions

(10 x 2=20)

1. Differentiate Batesian mimicry from Müllerian mimicry.
2. Write a note on 'Epistasis'.
3. Comment on Crossing over.
4. What is Sexual dimorphism in animals?
5. Write a note on polygenic inheritance behaviour with an example.
6. Comment on Altruism.
7. Comment on 'Reinforcement'.
8. What is Hysteresis?
9. Define Chronotherapy.
10. What is Pleiotropism?

Part-B

Answer any FOUR questions

(4 X 10 =40)

11. Explain in detail the neural control of behaviour with suitable examples.
12. Elaborate the associative learning behaviour in animals with examples.
13. Write down four conclusions based on Mendel's Experiment.
14. Give an account on non-verbal communication among animals.
15. Explain the complex of behaviours of honey bees.
16. Write an essay on the importance of sexual selection among animals.

Part-C

Answer any TWO questions

(2 X 20 =40)

17. Write an essay on organization of circadian system in multicellular animals.
18. Explain the difference between monohybrid and dihybrid crosses with examples.
19. Form an essay on the evolution of adaptive strategies among animals.
20. Explain in detail on social organizational behaviour of animals.

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