

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.Sc. DEGREE EXAMINATION – ZOOLOGY
THIRD SEMESTER – NOVEMBER 2022
PZO 3503 – ANIMAL PHYSIOLOGY

Date: 28-11-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART-A

ANSWER ALL THE QUESTIONS

(10 x 2=20 Marks)

1. What are Zymogens?
2. Comment on 'Calmodulins'
3. Write a note on 'Axons'
4. Bring out the major constituents of digestive juice.
5. Comment on 'Hypothalamus'.
6. Write a note on the following (i) Pancreas (ii) Leydig cells.
7. What is called 'Menopause'?
8. What are micronutrients?
9. Comment on 'Heterotherms'.
10. What is called as Adolescence?

PART-B

ANSWER ANY FOUR QUESTIONS

(4 x 10=40 Marks)

11. Describe the process of protein diffusion and absorption?
12. Bring out the respiratory physiology of man.
13. Explain the process of 'Menstrual cycle and its significance'.
14. Describe Reflex action and its classification.
15. Describe the physiology of 'Bioluminescence'
16. Bring out the functions of Endocrine system in man.

PART-C

ANSWER ANY TWO QUESTIONS

(2 x 20=40 Marks)

17. Describe and discuss about the process of osmoionic regulation in different animals.
18. Discuss the physiology of male reproductive system.
19. Write an essay on the physiology of 'Muscular Contraction'.
20. Form an essay on the recent trends on 'Animal physiology'.

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