



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2016

ZO 3500 - PHYSIOLOGY

Date: 04-11-2016
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. What are simple proteins? Give example.
2. What is osmoregulation?
3. Comment on isotonic.
4. Differentiate aerobic from anaerobic respiration.
5. What are polysaccharides?
6. Differentiate neurogenic heart from myogenic heart.
7. Define ureotelism?
8. Name two muscle proteins.
9. Define the term reflex action.
10. Define enzyme.

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Write notes on respiratory pigments.
12. Explain circadian and biological clocks.
13. Explain different excretory organs in mammals.
14. Give an account on functions of gut.
15. Explain the importance of water.
16. Describe composition and functions of blood.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Write an essay on vitamins.
18. Describe Hormones and Neurohormones.
19. Explain osmotic and ionic regulations in animals.
20. Write an essay on metabolism of carbohydrate.
