



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2017

ZO 3500 - PHYSIOLOGY

Date: 07-11-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. Comment on digestive gland.
2. Define isotonic.
3. Comment on anaerobic respiration.
4. What are polysaccharides?
5. Differentiate ammonotelic and urotelic organism.
6. Comment on myogenic heart.
7. Name two muscle proteins.
8. Define the term reflex action.
9. Define enzyme.
10. What is balanced diet?

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Describe the role of hypothalamus.
12. Write notes on respiratory pigments.
13. Describe any four hormones involved in functioning of the body.
14. Explain different respiratory systems in frog.
15. Give an account on functions of gut.
16. Explain the structure and functions of nephron.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Describe composition and functions of blood.
18. Write an essay on vitamins.
19. Write an essay on metabolism of carbohydrate.
20. Explain circadian and biological clocks