

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – APRIL 2018

AZ 3504– ANIMAL PHYSIOLOGY

Date: 05-05-2018
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART – A

ANSWER ALL QUESTIONS:

(10 X 2 = 20 marks)

Define the following:

1. Glycolysis
2. Basal metabolism
3. Ornithine cycle
4. Myogenic heart
5. Circadian rhythm.
6. Biological clock.
7. Pheromone.
8. Nerve impulse.
9. Reflex action.
10. Neurohormone.

PART – B

ANSWER ANY FOUR IN BRIEF:

(4 X 10 = 40 marks)

11. Explain the different feeding mechanisms.
12. Describe the structure & functions of heart.
13. Write the mechanisms of ionic regulation.
14. Describe the Blood clotting.
15. Write the mechanism of muscle contraction.
16. Describe the hormonal control of carbohydrate metabolism.

PART – C

ANSWER ANY TWO IN DETAIL:

(2 X 20 = 40)

17. Give an account on various types of Respiratory pigments.
18. Write an essay on composition & functions of Blood
19. Explain the mode of transmission of nerve impulses.
20. Describe the Urine formation and its elimination.
