

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – APRIL 2018

16UZO3MC01– ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

Date: 03-05-2018

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART-A

Answer ALL questions:

(10 ×2=20)

1. What is Niacin?
2. Comment on Oxyhaemoglobin?
3. Define Neurotransmitter?
4. Comment on Glycolysis?
5. What is Allosteric effect?
6. Define Glycolipid?
7. Write short notes on Cardiac cycle.
8. What is FFF hormone?
9. Expand ATP.
10. Comment on Hydrolases.

PART-B

Answer any FOUR of the following questions:

(4×10=40)

11. Write short notes on Fat Soluble Vitamins.
12. Give an account on transport of Respiratory gases.
13. Explain the structure and functions of Thyroid gland.
14. Write down the steps involved in Krebs cycle.
15. Give short notes on Factors affecting Enzyme activity.
16. Describe in detail about Osmoregulation.

PART-C

Answer any TWO of the following questions:

(2 ×20=40)

17. Describe the Gastrointestinal enzymes involved in Digestion.
18. Briefly explain the formation of Urine in Mammals.
19. Explain in detail about the Transmission of Nerve impulses.
20. Highlight the steps involved in Electron Transport Chain.
