



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – APRIL 2019

16/17UZO3MC01 / AZ 3508 – ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

Date: 24-04-2019
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

SECTION-A

Answer ALL questions: (10×2 =20)

1. Digestive enzymes
2. Vitamin B12
3. Metabolism
4. Respiratory pigment.
5. Neurotransmitters
6. Krebs cycle
7. TSH
8. Gluconeogenesis
9. Islets of Langerhans
10. Enzymes

SECTION -B

Answer any FOUR of the following questions:(4×10 =40)

11. Write short notes on vitamins.
12. Describe the fat metabolism.
13. Explain the cardiac cycle.
14. Write short notes on pituitary glands.
15. Explain the factors affecting enzymes activity
16. Write short notes on mechanism of urine formation in mammals.

SECTION -C

Answer any TWO of the following questions:(2×20 =40)

17. Briefly explain the metabolic pathway with reference to carbohydrates.
18. Explain the hormones in insects and crustaceans.
19. Discuss about the receptors
20. Write essays about the enzyme kinetics.
