



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

THIRD SEMESTER – APRIL 2017

AZ 3504- ANIMAL PHYSIOLOGY

Date: 02-05-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART-A

Answer **ALL** questions:(10 ×2=20 marks)

1. What is Riboflavin?
2. Define Bohr Effect.
3. What is Myogenic Heart?
4. Define Uricotelism.
5. What are Endothermic animals?
6. Explain Circadian Rhythm.
7. Define Action Potential.
8. What is Actin?
9. Comment on TSH.
10. What is Juvenile Hormone?

PART-B

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

11. Briefly explain the role of enzymes in Digestion.
12. Write an account on Haemodynamics and ECG.
13. Give short notes on Thermoregulation.
14. Describe in detail about the Muscle proteins.
15. Give a brief notes on Endocrine regulation in Insects.
16. Highlight the steps involved in Glycolysis.

PART-C

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

17. Illustrate the Transport of O₂ and CO₂.
18. Write a brief notes on the Types and Functions of Blood cells.
19. Explain in detail about the Transmission of Nerve impulses.
20. Highlight the role of Hormones in Reproduction.
