

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – APRIL 2018

AZ 2504– CHORDATA

Date: 24-04-2018

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART A (10x2=20 Marks)

Answer **ALL** Questions. All Questions carry equal marks.

Define/ Explain the following

1. Wheel Organ
2. Solenocyte
3. *Narcine*
4. Truncus arteriosus
5. Terrapins
6. Homoeotherms
7. Syrinx
8. Meninges
9. Mesonephros
10. Graafian follicle

PART B (4x10=40 Marks)

Answer any **FOUR** Questions. All Questions carry equal marks.

11. Explain retrogressive metamorphosis with a suitable example.
12. Describe Digestive System in Frog.
13. Write notes on the Structural peculiarities of Agnatha.
14. Explain the adaptive modification in an arboreal lizard.
15. Characterize Marsupials.
16. Outline the systemic position of man giving reasons.

PART C (2x20=40 Marks)

Answer any **TWO** Questions. All Questions carry equal marks.

17. Write an essay on structure and affinities of Amphioxus.
18. Give an account of snake venom and biting mechanism.
19. Write an essay on migration in birds.
20. Describe the types of placenta in mammals.
