

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – NOVEMBER 2016

AZ 2504/AZ 2502/AZ 2500 – CHORDATA

Date: 12-11-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART-A

Answer All the questions

(10x2=20 marks)

1. What is meant by Velum?
2. What are Urochordates? Give example.
3. Draw a labeled diagram of pelvic girdle of frog.
4. What are paired fins and unpaired fins?
5. Distinguish turtle from tortoise.
6. Comment on the venom of cobra.
7. What is synsacrum?
8. Draw the quill feather.
9. What are Graffian follicles?
10. What is yolk sac placenta?

PART – B

(4x10=40 marks)

Answer any FOUR questions

11. Describe the affinities of Amphioxus.
12. Explain the different types of respiration in frog.
13. Describe the poison apparatus and biting mechanisms in snakes.
14. State adaptations of flying mammals.
15. Describe the fate of aortic arches in reptiles.
16. Give an account on extra-embryonic membranes.

PART – C

(2x20=40 marks)

Answer any TWO questions

17. Parental care is exhibited in Amphibia – Substantiate.
18. Discuss the impact of terrestrialization.
19. Examine the flight adaptations in birds.
20. Describe the types of placenta in mammals.
