



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**

**SECOND SEMESTER – APRIL 2017**

**AZ 2504- CHORDATA**

Date: 04-05-2017  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

**PART – A**

**ANSWER ALL QUESTIONS**

**(10 X 2 = 20)**

1. What are Cephalochordates? Give an example.
2. What is velum?
3. Mention any 4 characteristic of Amphibia.
4. Give the morphological significance of Hippocampus.
5. What are extra- embryonic membranes.
6. What are carapace and plastron?
7. Mention any two fossil birds.
8. What is corpus callosum?
9. What is yolk sac placenta?
10. Mention the three important characteristics of Homo sapiens.

**PART – B**

**ANSWER ANY FOUR OF THE FOLLOWING**

**(4 X 10 = 40)**

11. Define retrogressive metamorphosis. Explain it with example
12. Explain the arterial system of frog
13. Describe the structural peculiarities of Agnatha
14. Illustrate the male and female urinogenital systems of calotes
15. Outline the systematic position of man giving reasons
16. Write notes on flying mammals

**PART – C**

**ANSWER ANY TWO OF THE FOLLOWING**

**(2 x 20 = 40)**

17. Write an essay on the structure and affinities of Amphioxus
18. Give an account of arcades and fossae of reptilian skull in classification of reptiles
19. Describe the types of placenta in mammals
20. Explain flight adaptation in birds.

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