



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – APRIL 2015

AZ 2504/AZ 2502/AZ 2500 - CHORDATA

Date : 15/04/2015
Time : 01:00-04:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL questions :

(10 x 2 = 20 marks)

01. List any four characteristic features of chordates.
02. Draw a neat labeled diagram of flame cell.
03. Comment on Chameleon.
04. Mention the parental care exhibited by *Alytes*.
05. What is the significance of Axolotl larva?
06. Distinguish between anapsid and diapsid skull.
07. Give the function of: a) Perineal gland b) Mammary gland
08. Comment on Quill feather.
09. What are Graafian follicles?
10. Mention the functions of blubber.

PART – B

Answer any FOUR questions :

(4 x 10 = 40 marks)

11. Draw a neat labelled diagram of brain of calotes.
12. Describe the affinities of *Amphioxus*.
13. Explain parental care in fishes with suitable examples.
14. Give an account of extra – embryonic membranes.
15. Elaborate on the respiratory system in pigeon.
16. Write notes on flying mammals.

PART – C

Answer any TWO questions:

(2 x 20 = 40 marks)

17. Describe the poison apparatus and elaborate on the biting mechanism of snakes.
18. Write an essay on placentation in mammals.
19. Elaborate on the process of retrogressive metamorphosis. Add a note on its significance.
20. Discuss in detail the types of respiration in frog.

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