

B. Sc. DEGREE EXAMINATION, APRIL 2024
BRANCH VI.A. ADVANCED ZOOLOGY & BIOTECHNOLOGY
SECOND SEMESTER

COURSE : **MAJOR CORE**
PAPER : **CHORDATA**
SUBJECT CODE : **23ZL/MC/CH24**
TIME : **3 HOURS**

MAX. MARKS: 100

Q. No.	SECTION A Answer all questions (10 x 2 = 20)	CO	KL
1.	Wheel organ is found in a. <i>Herdmania</i> b. <i>Amphioxus</i> c. Hagfish d. Shark	CO1	K1
2.	Retgressive Metamorphosis occurs in a. Hemichordata b. Urochordata c. Cephalochordata d. Vertebrata	CO1	K1
3.	Give the biological significance of Balanoglossus? _____	CO1	K1
4.	Draw and label the Placoid scale of shark.	CO1	K1
5.	Define neoteny. _____	CO1	K1
6.	Comment on parental care by the midwife toad.	CO1	K1
7.	What is pigeon milk?	CO1	K1
8.	What is double circulation and where is it found?	CO1	K1
9.	Recall the classification of <i>Calotes versicolor</i> .	CO1	K1
10.	List the respiratory organs of Amphibians.	CO1	K1
Q. No.	SECTION B Answer all questions (10 x 2 = 20)	CO	KL
11.	Draw and label <i>Ascidia</i> .	CO2	K2
12.	Give the structure and function of the buccal funnel of Cyclostomata.	CO2	K2
13.	Differentiate between Anadromous and catadromous migration.	CO2	K2
14.	Comment on the accessory respiratory organs in lungfish.	CO2	K2

15.	Classify Amphibia up to order level.	CO2	K2
16.	Recall the parts of a bird cloaca with a diagram.	CO2	K2
17.	List any two adaptations for flight in the skeleton of birds.	CO2	K2
18.	Mention the function of avian Uropygial gland.	CO2	K2
19.	Give any two examples for Edentata.	CO2	K2
20.	Give two examples of reptiles that possess a diapsid skull.	CO2	K2
Q. No.	SECTION C Answer any two questions (2 x 10 = 20)	CO	KL
21.	Distinguish Lamprey from Hagfish.	CO3	K3
22.	Differentiate between venomous and non-venomous snakes.	CO3	K3
23.	Describe flying mammals and their adaptations.	CO3	K3
Q. No.	SECTION D Answer any two questions (2 x 15 = 30)	CO	KL
24.	Write an essay on the affinities of <i>Amphioxus</i> .	CO4	K4
25.	Discuss parental care in fishes.	CO4	K4
26.	Comment on types of migration in birds.	CO4	K4
Q. No.	SECTION E Answer any two questions (2 x 5 = 10)	CO	KL
27.	List the characteristic features of Pisces.	CO5	K5
28.	Highlight the importance of Turtle conservation.	CO5	K5
29.	Discuss the different types of dentition with examples.	CO5	K5
