

Total No. of Printed Pages—3

**3 SEM TDC ZOOH (CBCS) C 5**

**2023**

( Nov/Dec )

**ZOOLOGY**

( Core )

Paper : C-5

**( Diversity of Chordates )**

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

1. Fill in the blanks : 1×5=5

(a) Tunicates belong to sub-phylum \_\_\_\_\_.

(b) Auricularia larva is found in \_\_\_\_\_.

(c) Fishes restricted to either salt or fresh-water are called \_\_\_\_\_.

( 2 )

(d) Limbs are absent in order \_\_\_\_\_ of class Amphibia.

(e) Cyclostome have \_\_\_\_\_ chambered heart.

2. Write short notes on the following (any three):  $4 \times 3 = 12$

(a) Plate tectonic theory

(b) Affinities of prototheria

(c) Archaeopteryx

(d) Retrogressive metamorphosis in urochordates

(e) Origin of tetrapods

3. Describe the biting mechanism of snakes. 6

Or

Describe the general characteristics of chordates.

4. Describe the general characteristics and classification of up to class in cyclostomata.  $5 + 5 = 10$

Or

Describe Dipleurula concept of origin of chordates and outline the advanced features of vertebrates over prototheria.  $5 + 5 = 10$

24P/299

( Continued )

( 3 )

5. Define the term 'migration'. Describe the different types of fish migration with examples and discuss its advantages.  $2 + 5 + 3 = 10$

Or

What is parental care? Describe different modes of parental care in fishes.  $2 + 8 = 10$

6. Write ten general characteristics of phylum Mammal. Describe the adaptive radiation in mammals.  $5 + 5 = 10$

Or

Define zoogeographical realms. Describe continental drift theory proposed by Alfred Wegener and give an account of the evidences in support.  $2 + 8 = 10$

\*\*\*

24P-3500/299

3 SEM TDC ZOOH (CBCS) C 5