

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) : 4×3=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

(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
