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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. $5 + 5 = 10$

(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. $2 + 8 = 10$
