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3 SEM TDC ZOOH (CBCS) C 5

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(Held in January/February, 2022)

ZOOLOGY

(Core)

Paper : C-5

(Diversity of Chordata)

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) Balanoglossus belongs to the subphylum _____.

(b) Migration of fish from freshwater to sea water is called _____.

(c) _____ is the connecting link between reptiles and birds.

(d) _____ is an example of Cyclostomata.

(e) _____ concept is associated with Echinoderm theory.

(2)

2. Write short notes on any *three* of the following : 4×3=12

- (a) Flight adaptations in birds
- (b) Migration in fishes
- (c) Affinities of Sphenodon
- (d) Parental care in amphibians

3. Describe the general characteristics of Cephalochordata. 6

Or

Give an outline classification of chordates. 6

4. What is parental care? Elaborate the different patterns of parental care in fishes. 2+8=10

Or

Describe the general characteristics and classification up to orders of the phylum Amphibia. 5+5=10

5. Describe about the biting mechanism of poisonous snakes. 10

(3)

Or

Write ten general characteristics of the phylum Aves. Mention the characters of the order Casuariiformes and Dinornithiformes.

$$5+2\frac{1}{2}+2\frac{1}{2}=10$$

6. What is adaptive radiation? Elaborate the mechanism with reference to locomotory appendages in mammals. 2+8=10

Or

Define 'zoogeographical realms'. Explain about the distribution of vertebrates in different realms. 2+8=10

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