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UG/3rd Sem/ZOO(H)/T/19

2019

B.Sc.

3rd Semester Examination

ZOOLOGY (Honours)

Paper - C 5-T

(CHORDATES)

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

1. Answer any *five* questions : $5 \times 2 = 10$

(a) Write scientific name of any two protochordates.

(b) Define metamorphosis.

(c) State the significance of ecolocation.

(d) Name the major flight muscles in birds.

(e) Mention two characteristic features of
Prototheria.

[Turn Over]

(2)

- (f) Name the fishes having accessory respiratory organs.
- (g) What is continental drift theory ?
- (h) Explain why Cyclostomes belong to Agnatha.

Group - B

2. Answer any *four* questions : 4×5=20

- (a) 'All vertebrates are chordates but all chordates are not vertebrates' — Justify the statement.
- (b) Give an account of retrogressive metamorphosis in *Ascidia*.
- (c) Describe the structure of the poison apparatus of snake.
- (d) Mention the salient features of Cetaceans with examples.
- (e) Describe the structure of a swim-bladder of fish and state its significance. 2½+2½
- (f) Enumerate the Echinoderm theory of origin of chordates.
- (g) Write a note on fish migration.

(3)

- (h) Describe the process of feeding in *Branchiostoma*.

Group - C

3. Answer any *one* question : 1×10=10

- (a) Classify Amphibia up to living orders with examples.
- (b) (i) State the advanced features of vertebrates over Protochordata.
- (ii) Write an explanatory note on the parental care in Amphibia. 5+5