

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 : 5×2=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]

- (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.

- (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
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