

2018

CBCS

3rd Semester

ZOOLOGY

PAPER—C5T

(Honours)

Full Marks : 40

Time : 2 Hours

*The figures in the right-hand margin indicate full marks.*

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

*Illustrate the answers wherever necessary.*

**Chordates**

Answer all questions

**Group—A**

1. Answer any five questions :

5×2

(a) What is Chorda dorsalis ?

(Turn Over)

- (b) How stomochord differs from notochord ?
- (c) What is Wallace's line ?
- (d) Mention the order of Armadillo with any two taxonomical characters.
- (e) What is Pangea ?
- (f) What is lepidotrichia in bony fishes ?
- (g) Distinguish between horn and antler.
- (h) Distinguish between gill bar and tongue bar.

**Group—B**

2. Answer any *four* questions :

4x5

- (a) Why the nerve cord is hollow in chordates ? What are the deuterostomic traits in the body plan of a chordate ?

2+3

- (b) With suitable examples explain what do you mean by adaptive radiation. 4
- (c) Comment on the tadpole bearing behaviour in amphibians.
- (d) Write a short note on progenesis.
- (e) What are lancelets? Explain root effect in fishes.
- (f) Discuss in brief the structure of pharynx in amphioxus. 2+3

**Group—C**

3. Answer any *one* question : 1×10

- (a) Describe in brief the hormonal and behavioural changes that occur before the onset of migration in birds. Describe how birds navigate during migration.

2+2+6

- (b) Mention the differences between poisonous and nonpoisonous snakes. Describe the structure of poison gland and state the muscles which are associated with the biting mechanism of a snake.

4+4+2

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