

Total Pages – 3

B.Sc. RNLK-/Zoology/C5T/21

2021

Zoology

[Third Semester]

Paper - C5T (Chordates)

Full Marks : 40

Time : 2 hours

The figures in the right-hand margin indicate marks.

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

Illustrate the answers wherever necessary.

1. Answer the following : (Any 5) 5×2=10

- a) What is accessory respiratory organ?
- b) Give four important features of Urochordates.
- c) What is hemotoxic venom?
- d) State any two characters of Anapsida.

(Turn Over)

(2)

- e) What is filoplume?
- f) What are the difference between poisonous and non-poisonous snake?
- g) What are antler and horn?
- h) Name 3 flight muscles of bird.

2. Answer the following : (Any 4) 4×5=20

- a) Write briefly about the general features of reptilia with classification upto living orders.
- b) Briefly describe adaptive radiation in mammals.
- c) What is retrogressive metamorphosis? State its significance in biology/.
- d) Write with proper illustration – the filter feeding mechanism of Branchiostoma.
- e) Diffrentiate Chondrichthyes and Osteichthyes.
- f) Draw neatly and label the following.
after shaft, down feather, rachis, barbs and barbules.

(3)

3. Answer the following : (Any one) 1×10=10

a) Write a note on –

Dipleurula concept and the Echinoderm theory of origin of chordates.

b) Write with proper illustration –

Biting mechanism in snake (poisonous)