

This question paper contains 3 printed pages]

W—95—2018

FACULTY OF SCIENCE

B.Sc. (Second Semester) EXAMINATION

OCTOBER/NOVEMBER, 2018

(CBCS/CGPA)

ZOOLOGY

Paper III

[Life and Diversity of Animals—II (Chordates)]

(MCQ & Theory)

(Monday, 22-10-2018)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) All questions are compulsory.

(ii) All questions carry equal marks.

(iii) Draw well labelled diagrams wherever necessary.

(iv) Negative marking system is applicable for MCQs.

(v) Use separate answer-sheet (OMR) for Question No. 1.

MCQ

1. Multiple Choice Questions : 10

(i) Notochord in cephalochordata is present in :

(a) In head region only (b) In tail region only

(c) Extend from head to tail (d) In middle region only

(ii) The fundamental characters of chordates are :

(a) Dorsal heart, pharyngeal gill slits, notochord present

(b) Ventral heart, pharyngeal gill slits and tubular nerve cord

(c) Both (a) and (b)

(d) None of the above

P.T.O.

- (iii) Heart in fishes is chambered.
- (a) Single (b) Double
(c) Three (d) Four
- (iv) Scroll valve plays an important role in :
- (a) Speed up the food
(b) Digest food quickly
(c) Mix the food with digestive juices
(d) Delay passage of food
- (v) Anurans are :
- (a) Cyclostomes (b) Urochordates
(c) Amphibians (d) Pisces
- (vi) Largest non-poisonous snake is :
- (a) Cobra (b) Krait
(c) Python (d) Viper
- (vii) In birds gland is present.
- (a) Mucous (b) Oil
(c) Poisonous (d) Scent
- (viii) Pinna is a characteristic of :
- (a) Frog (b) Snake
(c) Rat (d) Fish
- (ix) Marsupials' pouch is present in :
- (a) Monkey (b) Rabbit
(c) Kangaroo (d) Elephant
- (x) In rat, the photosensitive cells are :
- (a) Rods (b) Cones
(c) Both (a) and (b) (d) None of these

Theory

2. Describe general characters of urochordata. 10

Or

(a) General characters of cyclostomata.

(b) Describe respiratory organs of rat.

3. Describe the structure of Brain of Scoliodon. 10

Or

(a) Economic importance of fishes.

(b) External characters of Rat.

4. Describe flight adaptations in birds. 10

Or

(a) Summer sleep in Amphibia.

(b) Classification of mammals.