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**B—110—2019**

**FACULTY OF SCIENCE**

**B.Sc. (Second Semester) EXAMINATION**

**MARCH/APRIL, 2019**

**(CBCS/CGPA Pattern)**

**ZOOLOGY**

**Paper-III**

(Life and Diversity of Animals-II) (Chordates)

(MCQ & Theory)

**(Monday, 1-04-2019)**

**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. (i) Amphioxus is.....animal.

- (a) Urochordata
- (b) Hemichordata
- (c) Cephalochordata
- (d) Cyclostomata

(ii) Jawed vertebrates are included in.....

- (a) Agnatha
- (b) Gnathostomata
- (c) Urochordata
- (d) Cephalochordata

P.T.O.

- (iii) In vertebrates, skin is covered by.....
- (a) Scales (b) Hairs  
(c) Feathers (d) All of these
- (iv) Hearts of Amphibians is.....
- (a) Two Chambered (b) Single Chambered  
(c) Three Chambered (d) Four Chambered
- (v) Tail in Scoliodon is.....
- (a) Hypocercal (b) Heterocercal  
(c) Homocercal (d) Hypercercal
- (vi) Study of reptiles is called as.....
- (a) Ichthyology (b) Herpetology  
(c) Ornithology (d) Entomology
- (vii) Fore limbs of birds are modified into.....
- (a) Neck (b) Beak  
(c) Wings (d) Feathers
- (viii) Winter sleep in frog means.....
- (a) Aestivation (b) Hibernation  
(c) Breeding sleep (d) None of these
- (ix) Mammalian RBCs are.....
- (a) Non-nucleated (b) Nucleated  
(c) Eunucleated (d) None of these
- (x) In rat, the grinding teeth are.....
- (a) Incisor (b) Molar  
(c) Canines (d) All of these

**Theory**

2. Describe general characters of cyclostomata. 10

*Or*

(a) Retrogressive metomorphosis in Urochordates.

(b) Heart of Rat.

3. Describe digestive system of scoliodon.

*Or*

(a) Structure of heart of Scoliodon

(b) General Characters of Mammals.

4. Describe general characters of Amphibia. 10

*Or*

(a) Poisonous snakes

(b) Ear of Rat.