

III Semester B.Sc. Examination, November/December 2018  
(CBCS) (Freshers + Repeaters) (2015-16 and Onwards)  
ZOOLOGY (Paper – III)  
Chordata

Time : 3 Hours

Max. Marks : 70

**Instructions :** 1) Draw neat labelled diagrams wherever necessary.  
2) Answers should be completely in English or Kannada.

PART – A

I. Answer any five of the following : (5×3=15)

- 1) Assign the following to their respective sub-phyllum :
  - a) Ascidian
  - b) Amphioxus
  - c) Petromyzon.
- 2) Draw a neat labelled diagram of externals of Ascidian.
- 3) Write a note on ampulla of Lorenzini.
- 4) Highlight the interesting features of Sphenodon.
- 5) List any three differences between Perissodactyla and Artiodactyla.
- 6) Mention any three methods of fish preservation.
- 7) Write a note on birds of American class.

PART – B

II. Answer any five of the following : (5×5=25)

- 1) Enumerate the general characters of agnatha.
- 2) Sketch and label the externals of Scoliodon.
- 3) Write a note on origin of amphibia.
- 4) Give an account of diapsid skull.
- 5) Archaeopteryx is a connecting link between reptiles and birds. Substantiate.



- 6) List the interesting features of order Chiroptera.
- 7) Give an account of :
  - a) Bi-products of poultry
  - b) Composite fish farming.

PART – C

III. Answer any three of the following :

(3×10=30)

- 1) Explain the filter feeding mechanism in Amphioxus.
  - 2) With supporting diagrams, describe the structure of the brain of Shark.
  - 3) Enumerate the general characters of class reptilia. Classify the modern reptiles upto order level with examples.
  - 4) Give an account of morphological and anatomical flight adaptations in birds.
  - 5) Highlight the salient features of :
    - a) carnivora
    - b) proboscidea.
  - 6) Write notes on artificial insemination and MOET.
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