



SS – 371

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-phylum :
 - 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.

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- 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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