



UN – 180

III Semester B.Sc. Examination, Nov./Dec. 2015
(Fresh) (CBCS) (2015-16 and Onwards)
ZOOLOGY – III
Chordata

Time : 3 Hours

Max. Marks : 70

Instructions : 1) *Draw diagram wherever necessary.*
2) *Answer should be completely either in Kannada or in English.*

PART – A

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

- 1) Mention the three basic characters of phylum chordata.
- 2) Sketch and label the dorsal view of heart of *Scoliodon*.
- 3) Give any six interesting features of class Reptilia.
- 4) Enumerate any four characters of Ratitae. Give any two examples.
- 5) Mention salient features of Ungulates.
- 6) What is composite fish farming ? Give its significance.
- 7) Write a note on birds of American class.

PART – B

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

- 1) Explain the feeding mechanism of *Amphioxus*.
- 2) List the general characters of Agnatha.
- 3) Enumerate the general characters of class Amphibia.
- 4) *Sphenodon* is considered as a living fossil. Substantiate your answer. Add a note on its interesting features.
- 5) Explain any five modifications in the endoskeleton of Birds for flight adaption.
- 6) List the interesting features of order Proboscida.
- 7) Milk is a whole food. Explain.

P.T.O.



PART - C

III. Answer any three of the following :

(3×10=30)

- 1) Describe metamorphosis of Ascidian tadpole with supporting diagrams.
Comment on the kind of metamorphosis.
 - 2) Explain interesting features of Dipnoi. Name the three living representative.
Write its evolutionary significance.
 - 3) With neat labelled diagram explain the brain of *Scoliodon*.
 - 4) Describe the temporal fossae in Reptilian skull with labelled diagrams.
 - 5) Enumerate the general characters of class Mammalia. Name the sub-classes with examples.
 - 6) Explain the processing and preservation of food in Fishes.
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